

Introduction

Connectors with wide range of shell configurations/modifications, contact arrangements and contacts to meet ARINC 404 Specifications. The descriptive part numbering scheme described on the following pages can be used for ordering.

Commercial Series

R — Unsealed

RM — Interface seal on pin insert

RME — Environmentally sealed

Unkeyed Single-Insert Series

RMA — Standard size, unkeyed single-insert connectors, unsealed

RMAE — same as RMA, except sealed

Military Series

M — MIL equivalent, unsealed

MM — MIL equivalent, interface seal on pin inserts

MME — MIL equivalent, environmentally sealed

Miniature Series

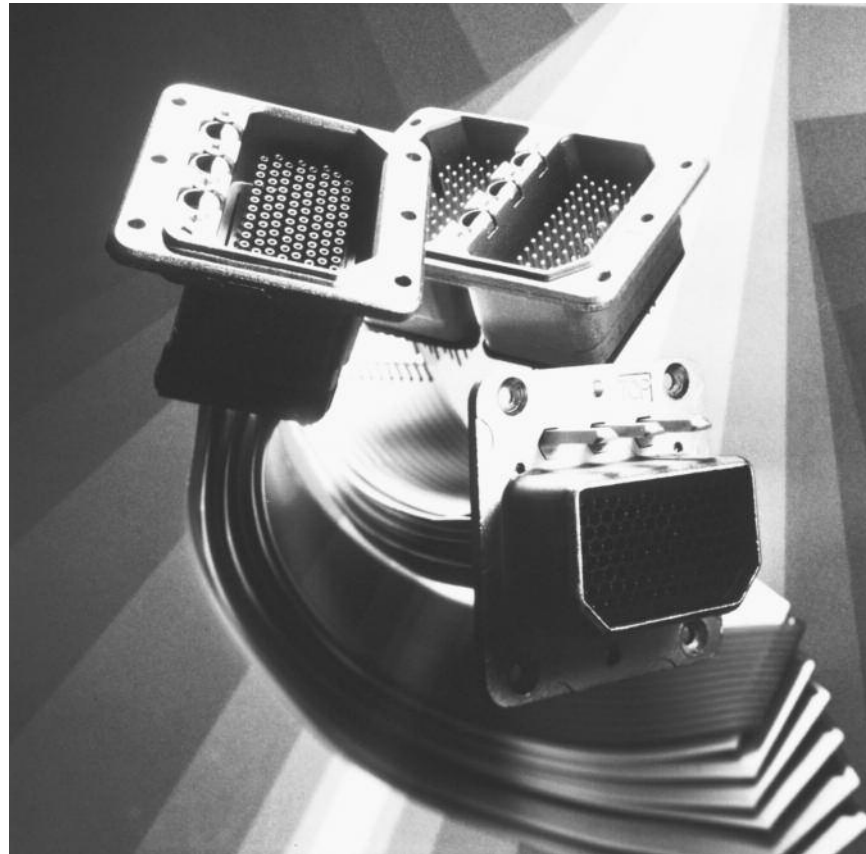
RA — Unsealed

RE — Sealed

Special connectors are also available — including connectors for flexible flat cable, for wire wrap-type terminations, and with contacts for board-mount applications.

Screw-machined pin and socket contacts for connector inserts — signal contact sizes 22, 20, 16 and 12 for terminating wire range of 30 through 12 AWG [0.05–3 mm]. Crimp snap styles for rear-remove, rear-release applications are most common. They can be supplied both in loose-piece form, or can be tape-mounted for high-speed application.

Coax contact sizes 1, 3, 5, 7, 10 and 15 are available.



Material Specifications

Shell — Die-cast aluminum alloy per QQ-A-591; cadmium plated with yellow chromate conversion, or electroless nickel plated per QQ-P-416

Insert Retention Plates — (M, MM, R, RM, RME series) Aluminum alloy, blue anodized per MIL-A-8625 or electroless nickel plated per QQ-P-416; (MME series) Aluminum alloy, powder coat blue epoxy; (RA, RE series) Stainless steel, passivated

Screws and Washers — Stainless steel, passivated

Dielectric Hard — Epoxy

Dielectric, Interface Seal (Receptacle only) and Wire Sealing Grommets — Silicone rubber

Keying Posts and Nuts (Plug Only) — Stainless steel, passivated

Keyways (Receptacle Only) — Commercial — Aluminum

Performance Specifications

Environmentally sealed RME series connectors are designed per Military Specification MIL-C-81659 and all signal pin and socket contacts per MIL-C-39029.

Insulation Resistance — 5000 megohms

Dielectric Withstanding Voltage (Unmated at Sea Level) —

Test (contact arrangements 32C2, 33C4, 67 & 106) 1000 volts rms (all other contact arrangements, except C2 & C3) 1500 volts rms Operate (contact arrangements 33C4, 67 & 106) 400 volts rms (all other contact arrangements, except C2 & C3) 500 volts rms

Temperature Range — -85°F to 257°F [-65°C to +125°C]

Contact Current Rating (tested in free air per MIL-C-34029) —

(See pages 4-56 to 4-58 for information on coaxial contacts)

Size 22 (22 AWG wire) [0.3–0.4 mm²]

5.0 amps

Size 20 (20 AWG wire) [0.5–0.6 mm²]

7.5 amps

Size 16 (16 AWG wire) [1.25–1.4 mm²]

13.0 amps

Size 12 (12 AWG wire) [3 mm²]

23.0 amps

Contact Retention —

Size 22 15 lb. (min.) [67 N]

Size 20 20 lb. (min.) [89 N]

Size 16 25 lb. (min.) [92 N]

Size 12 30 lb. (min.) [134 N]

Durability (Mating and Unmating) — 500 cycles

Salt Spray — MIL-STD-1344, Method 1001, Condition B

Vibration — MIL-STD-1344, Method 2005, Condition IV

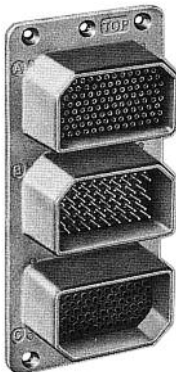
Ordering Information

Descriptive Part Numbering System

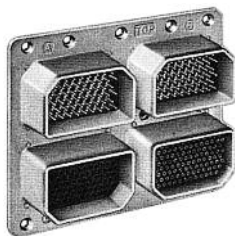
Use this page as a guide to construct part numbers for complete connector packages. Contacts must be ordered separately, except as specified in the Custom Order Code.



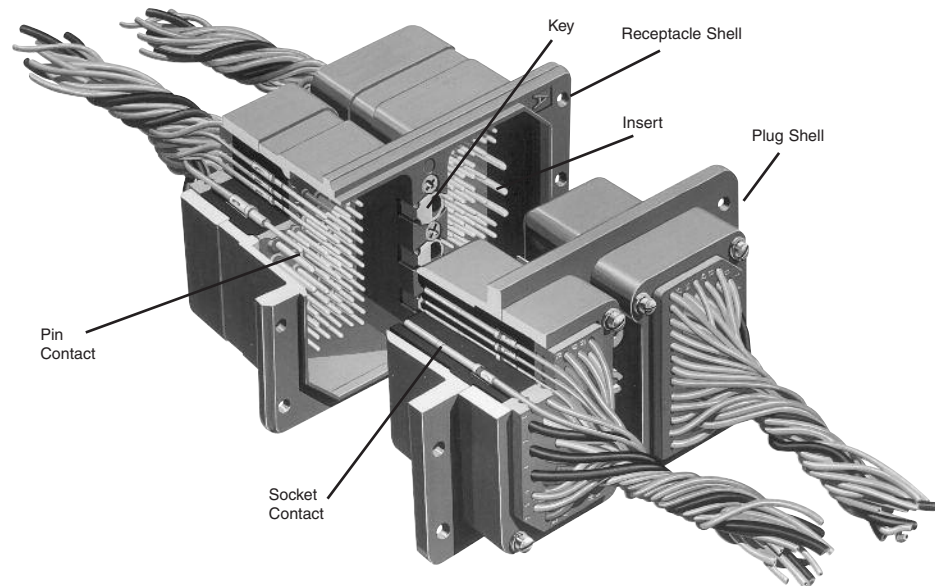
Single-insert receptacle connector shown
RM 1 R 106S-00 01 (200)



Three-insert plug connector shown
RM 3 P 106S 57P 106-00 00 (200)



Four-insert plug connector shown
RME 4 P 106P 106P 106 106S 00 00 (250)



Note: Two-Insert Recept. Shell Dim. (Typ.)—3.075 [78.11] L x 2.000 [50.8] W x 1.665 [42.29] Depth

Sample Descriptive Part Number

RME 2 P 57 S 57 S — 00 01 (201)

Shell

Series designator:

R, M—no seals

RM, MM—interface seal on pin inserts

RME, MME—environmentally sealed

RMA—standard insert size, no keying, unsealed

RMAE—standard interface, no keying, environmentally sealed

RA—miniature, unsealed

RE—miniature, environmentally sealed

Shell size

1, 2, 3 or 4 inserts, modules A, B, C, D

Shell configuration

P—Plug

R—Receptacle

Contact inserts

Contact arrangement (Module A) (see page 4-47)

Contact type (Module A)

P—Pin

S—Socket

Contact arrangement (Module B) (see page 4-47)

Contact type (Module B)

Modifications to shell mounting (see pages 4-50 and 4-51)

Keying (see page 4-52)

Custom order instructions (see page 4-52)

Contacts (see pages 4-53 and 4-54 for ordering details)

Sealing boots

SPECIAL CONNECTORS

- Wrap-type assemblies
- Assemblies for flexible flat cable

- RA, RE shells and inserts
- RMA shell

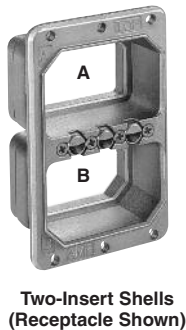
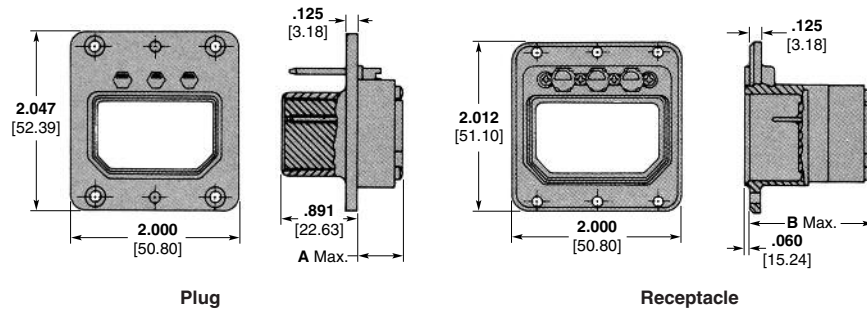
Note: RMA/RMAE are only available in single-insert unkeyed shells.

One- and Two-Insert Shells

Example: RME 1 P 57S — 00 01 (200)

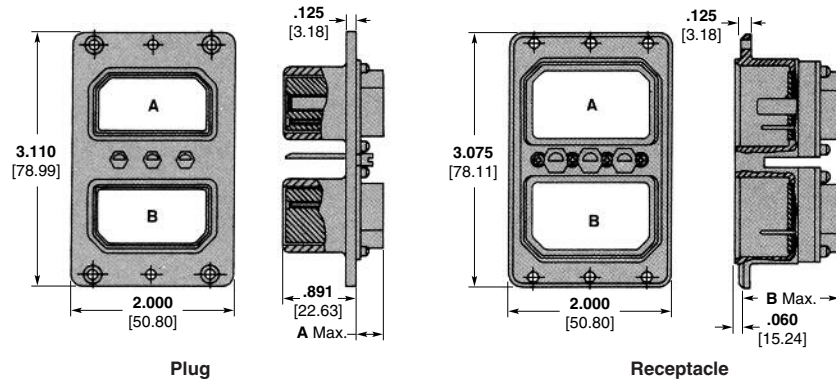


One-Insert Shells
(Receptacle Shown)



Two-Insert Shells
(Receptacle Shown)

Example: RM 2 P 57S 57S — 00 01 (200)

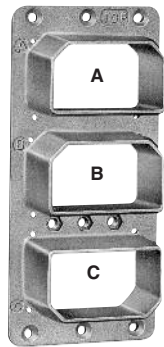


Maximum extension of connector behind flange, with insert.

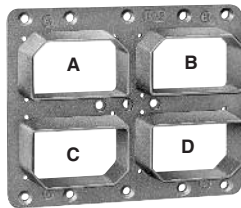
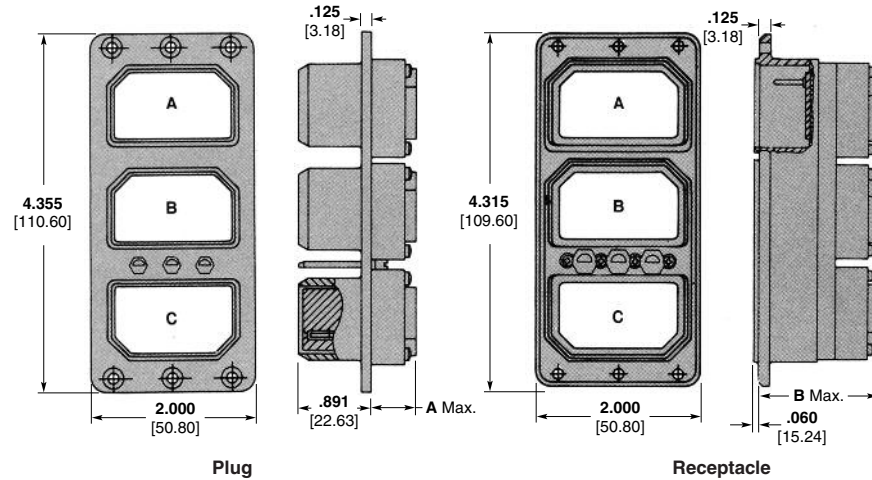
Contact Arrangement	Dimensions			
	A Max. (Plug)		B Max. (Receptacle)	
	R, M, RM, MM	RME, MME	R, M, RM, MM	RME, MME
C2	.075 1.91	.075 1.91	1.016 25.81	1.016 25.81
C3	.075 1.91	.075 1.91	1.016 25.81	1.016 25.81
8	.314 7.98	.534 13.56	1.253 31.83	1.465 37.21
C8	.512 13.00	—	1.452 36.88	—
D8	.314 7.98	.534 13.56	1.253 31.83	1.465 37.21
26	.314 7.98	.534 13.56	1.253 31.83	1.465 37.21
32C2	.529 13.44	.734 18.64	1.465 37.21	1.665 42.29
32C4	.410 10.41	.615 15.62	1.350 33.86	1.555 39.50
33C4	.529 13.44	.734 18.64	1.465 37.21	1.665 42.29
40	.314 7.98	.534 13.56	1.253 31.83	1.465 37.21
40C1	.529 13.44	.734 18.64	1.465 37.21	1.665 42.29
45	.314 7.98	.534 13.56	1.253 31.83	1.465 37.21
57	.314 7.98	.534 13.56	1.253 31.83	1.465 37.21
67	.314 7.98	.534 13.56	1.253 31.83	1.465 37.21
106	.075 1.91	.279 7.09	1.016 25.81	1.219 30.96

Three- and Four-Insert Shells

Example: RME 3 P 57S 57S 57S — 00 01 (200)

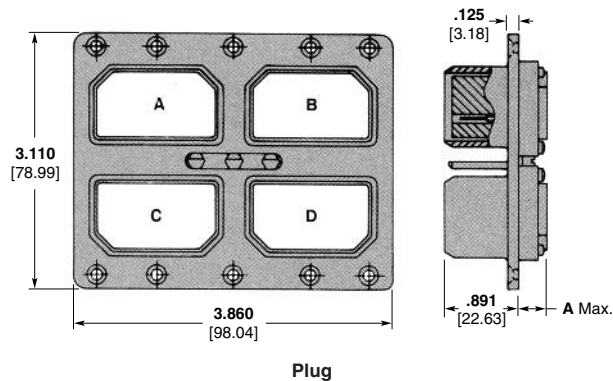


Three-Insert Shells
(Plug Shown)



Four-Insert Shells
(Plug Shown)

Example: RME 4 P 57S 57S 57S 57S — 00 01 (200)



Note: Dimensions A and B refer to maximum connector depth with contact inserts installed. These dimensions are tabulated on page 4-47.

Contact Inserts

Inserts for Series R, RM, RME; M, MM, MME, and RMA



Arrangement 106, environmental version shown

Legend

- Size 22 contact cavity
- Size 20 contact cavity
- Size 16 contact or Size 15 COAXICON contact cavity
- Size 12 contact cavity
- COAXICON contact cavity, except Size 15

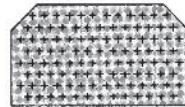
Notes: 1. Size 22 socket contacts extend beyond the mating face of inserts; size 22 pin contacts are recessed. Size 20, 16 and 12 pins are exposed; size 20, 16 and 12 sockets are recessed.

2. Mating face of pin-contact insert is shown. Socket-contact insert face is mirror image.

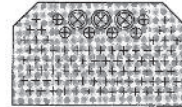


Arrangement 33C4 shown

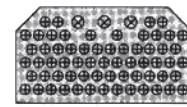
Example: RME 2 P 57S 67S — 00 01 (201)



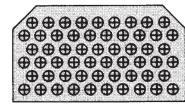
Arrangement 106
106 Size 22 contacts



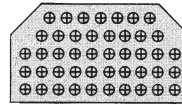
Arrangement 88
79 Size 22 contacts,
6 Size 20 contacts,
3 Size 16 contacts or
3 Size 15 COAXICON contacts



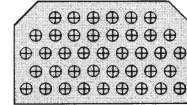
Arrangement 67
64 Size 20 contacts,
3 Size 16 contacts or
3 Size 15 COAXICON contacts



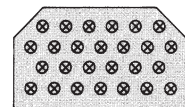
Arrangement 57
57 Size 20 contacts



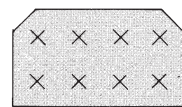
Arrangement 45
45 Size 20 contacts



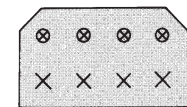
Arrangement 40
40 Size 20 contacts



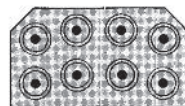
Arrangement 26
26 Size 16 contacts or
26 Size 15 COAXICON contacts



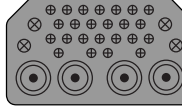
Arrangement 8
8 Size 12 contacts



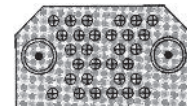
Arrangement D8
4 Size 12 contacts,
4 Size 16 contacts or
4 Size 15 COAXICON contacts



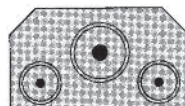
Arrangement C8
8 Size 9 COAXICON contacts
For unsealed connectors only



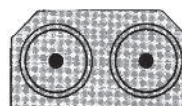
Arrangement 32C4
4 Size 16 contacts,
24 Size 20 contacts and
4 Size 9 COAXICON contacts



Arrangement 32C2
30 Size 20 contacts,
2 Size 5 COAXICON contacts



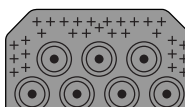
Arrangement C3
1 Size 3 COAXICON contact,
2 Size 7 COAXICON contacts
For unsealed connectors only
(Consult TE for availability.)



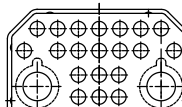
Arrangement C2
2 Size 1 COAXICON contacts
For unsealed connectors only
(Consult TE for availability.)



Arrangement 40C1
39 Size 20 contacts,
1 Size 5 COAXICON contact



Arrangement 36C7
7 Size 5 COAXICON contacts,
29 Size 22 contacts



Arrangement 2202
2 Size 8 Quadrx contacts
20 Size 16 contacts



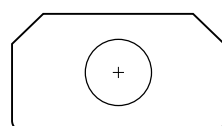
Arrangement 33C4
25 Size 20 contacts
4 Size 16 contacts or
4 Size 15 COAXICON contacts,
4 Size 5 COAXICON contacts

Inserts for Fiber Optic Connectors

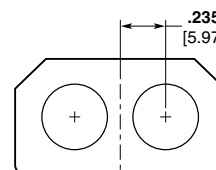
Inserts available to accept Mini-Expanded Beam Fiber Optic Cable Assemblies. Custom design configurations can be provided.

Contact TE Connectivity for additional information, or see page 4-14 in ARINC 600 section, and Expanded Beam Fiber Optics section 3.

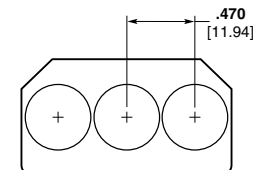
ARINC 404 Insert Holders for Mini Expanded Beam Contacts



ARINC 404, 1 Position, M1



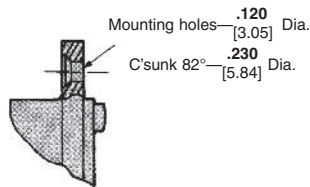
ARINC 404, 2 Position, M2



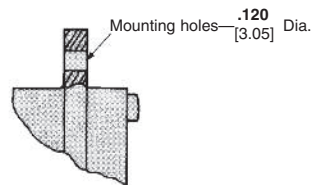
ARINC 404, 3 Position, M3

Modifications

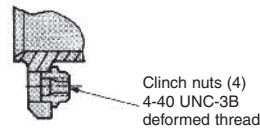
Example: RME 2 P 57S 57S — 00 01 (201)



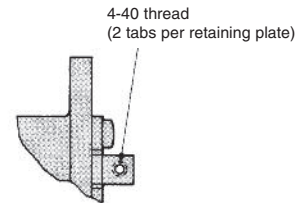
Modification 00
(no modification, plug)



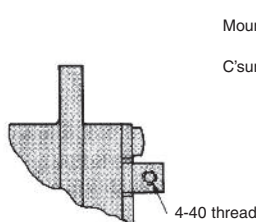
Modification 00
(no modification, receptacle)



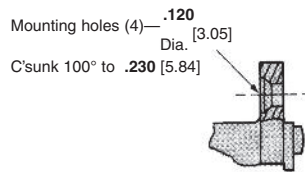
Modification 01



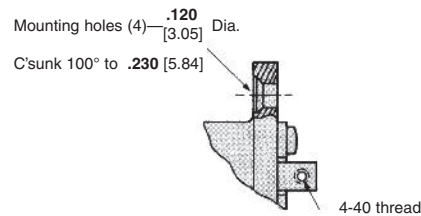
Modification 02
(R, RM, M, MM—attaching tabs)



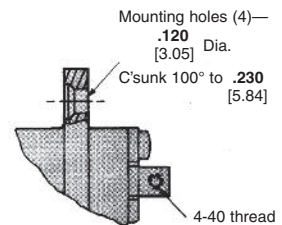
Modification 02, 70
(RME, MME—threaded holes)



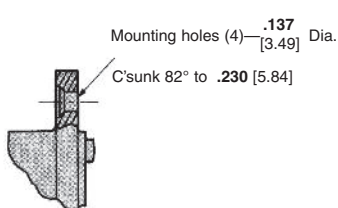
Modification 03



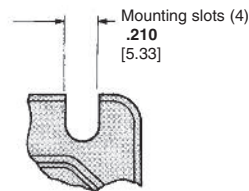
Modification 04
(R, RM, M, MM—attaching tabs)



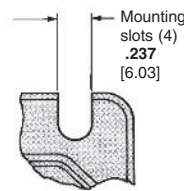
Modification 04
(RME, MME—threaded holes)



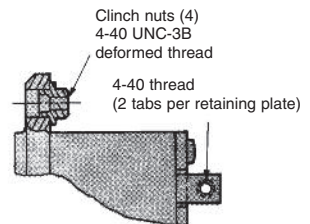
Modification 08



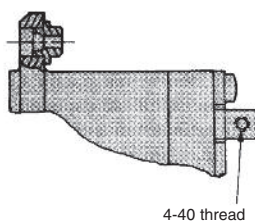
Modification 12



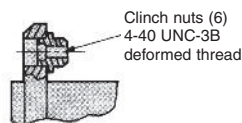
Modification 13



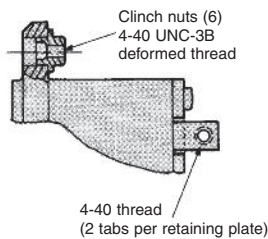
Modification 17
(R, RM, M, MM—attaching tabs)



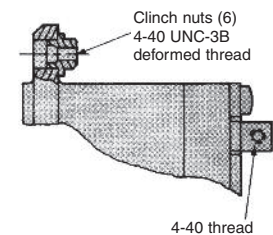
Modification 17
(RME, MME—threaded holes)



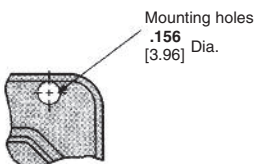
Modification 18



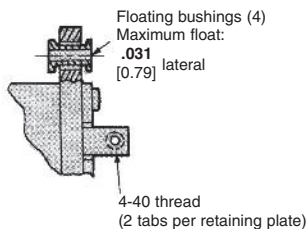
Modification 19
(R, RM, M, MM—attaching tabs)



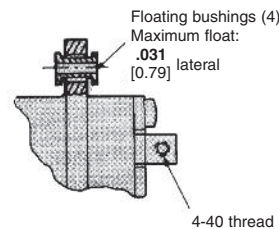
Modification 19
(RME, MME—threaded holes)



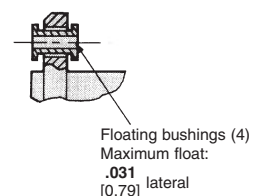
Modification 20



Modification 22
(R, RM, M, MM—attaching tabs)



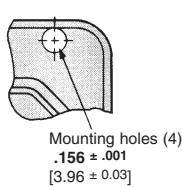
Modification 22, 71
(RME, MME—threaded holes)



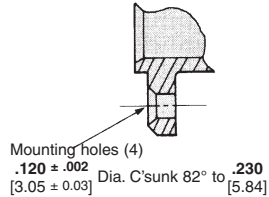
Modification 23, 39

Modifications (Continued)

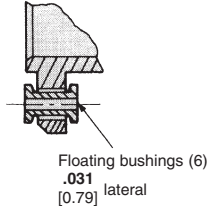
Example: RME 2 P 57S 57S — 39 01 (201)



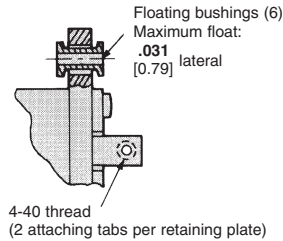
Modification 25



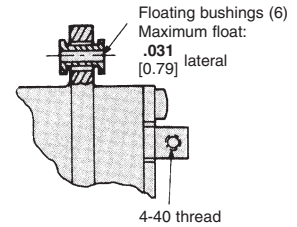
Modification 26



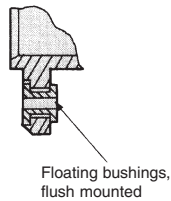
Modification 29



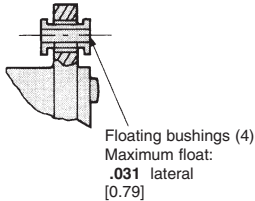
Modification 30
(R, RM, M, MM—attaching tabs)



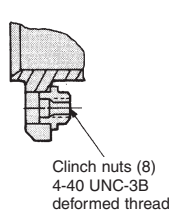
Modification 30
(RME, MME—threaded holes)



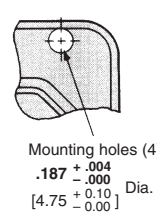
Modification 33



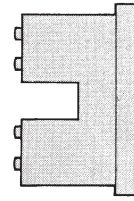
Modification 39



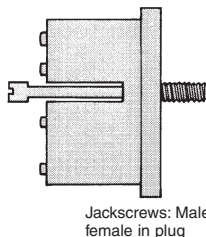
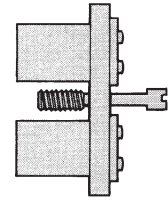
Modification 42
(4-Insert Shells)



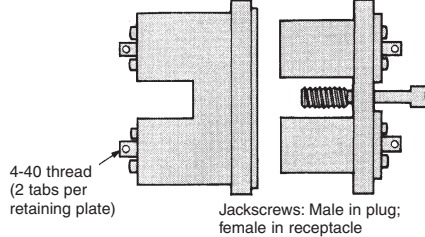
Modification 46



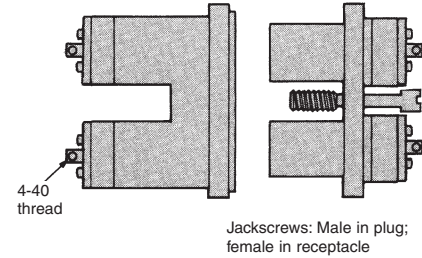
Modification 50



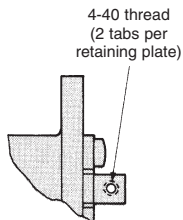
Modification 51



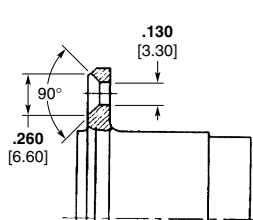
Modification 52
(R, RM, M, MM—attaching tabs)



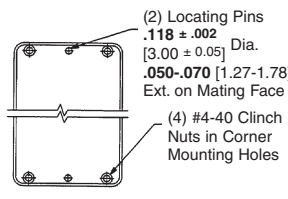
Modification 52
(RME, MME—threaded holes)



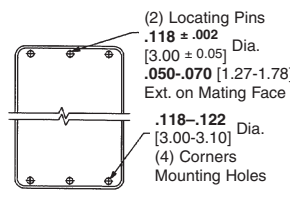
Modification 72
modification 46,
plus tabs above



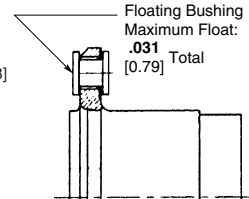
Modification 73 (without tabs)
Modification 74 (with tabs)
Size 1, 2, 3 shells — 4 c'sunk holes
Size 4 shells — 6 c'sunk holes



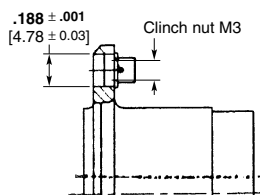
Modification 76



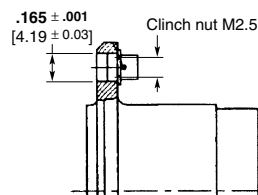
Modification 77



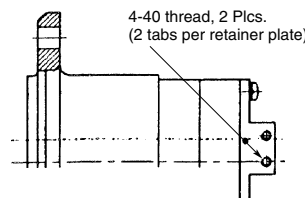
Modification 78



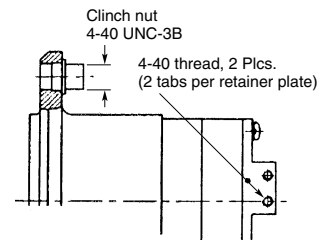
Modification 79



Modification 80



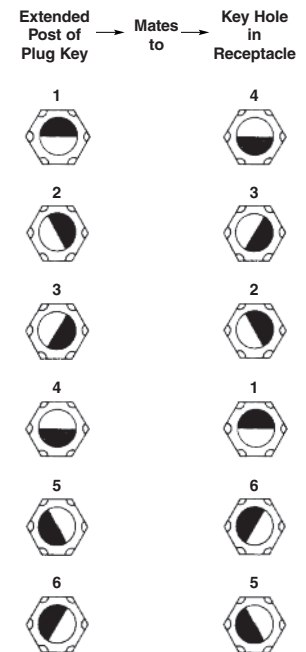
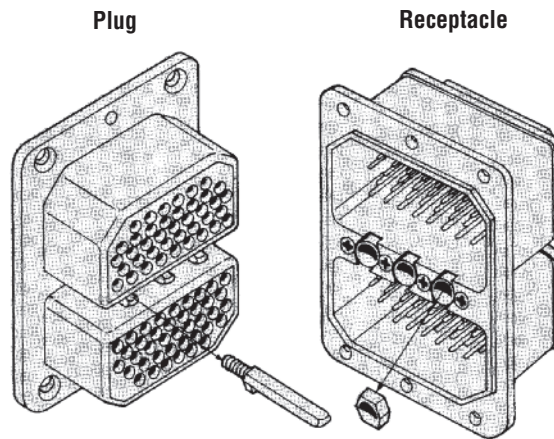
Modification 88



Modification 89

Keying

Example: RME 2 P 57 S 57 S — 00 01 (201)



- Notes:**
1. Darkened portion of diagram indicates extended post of plug key, light portion indicates key hole in receptacle insert.
 2. Keying code stamped on housing.
 3. If keying code is not specified, key inserts are supplied in 01 position; code is not stamped on housing.
 4. If code 00 is specified, keys are omitted and must be ordered separately; code is not stamped on housing.
 5. Key diagrams show mating face of connector "TOP" up.

Refer to ARINC 600 pages 4-15 and 4-16 for keying codes.

Custom Order Code

Example: RME 2 P 57 S 57 S — 00 01 (201)

Code	Description
200	Standard connector kit, including signal contacts ; order coaxial contacts separately. Shell finish: cadmium plated per QQ-P-416 with yellow chromate conversion.
201	200 Custom Order Code without contacts , contacts must be ordered separately by part number.
202	201 Custom Order Code with assembled connector, keying unassembled and packaged in a separate container, contacts must be ordered separately by part number.
203	200 Custom Order Code with inserts and retainer plates unassembled.
204	200 Custom Order Code with spare contacts—3% of contact population per connector per contact size.
206	200 Custom Order Code with keying unassembled and packaged in a separate container.
250	200 Custom Order Code, except shell and retainer plates plated electroless nickel.
400	200 Custom Order Code, except contacts are low insertion force, ARINC 600.

Size 22 Contacts — Pin Diameter .030 [0.76]

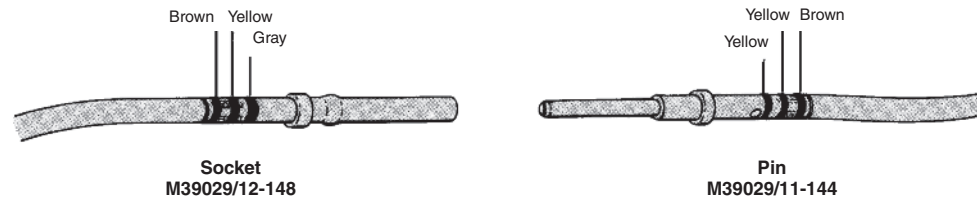
Standard Contacts

Materials

Pin and Socket Body — Copper alloy, plated gold over nickel

Socket Sleeve — Passivated stainless steel

Application Tooling — See page 4-55



Contact Type	Wire Size AWG mm ²	Insulation Diameter (Max.)	Tape Mounted Contacts		Loose Piece Contacts		Hand Crimping Tool		AMP-TAPETRONIC Stripper-Crimper	
			Pin	Socket	Pin	Socket	Tool	Positioner	Machine	Funnel
MIL-C-39029	26-22 0.12-0.4	.054 1.37	204873-3	—	204873-4	205103-3	M22520/2-01	M22520/2-23	599406-7	1-125905-2
Low Force, ARINC 600 connector contacts, suitable for use in ARINC 404 connectors (see page 4-19)										
Low Force ARINC 600*	26-22 0.12-0.4	.054 1.37	—	—	208262-3	208264-2	M22520/2-01	M22520/2-23	—	—

*Color coding, two bands: orange and green.

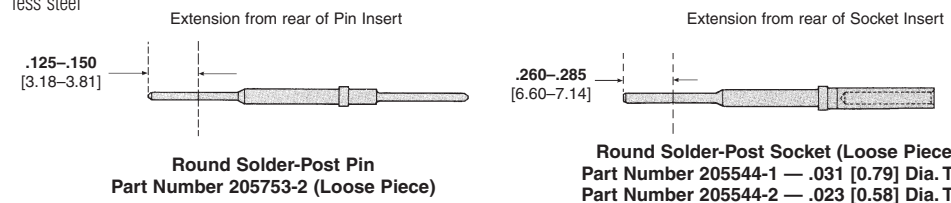
Round Solder-Post Contacts, Solder Post Diameter .031 [0.79]

Note: Round solder-post contacts are for use in RM series connectors.

Materials

Pin and Socket Body — Copper alloy, plated gold over copper

Socket Sleeve — Passivated stainless steel



Insertion and extraction tool for all ARINC 404 size 22 contacts:
MS81969/1-01
Part Number 91066-1

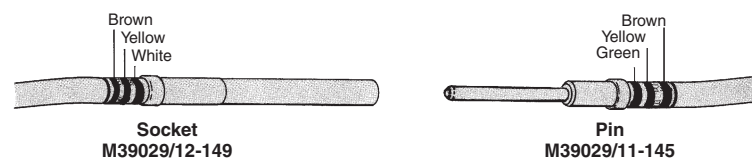
Size 20 Contacts — Pin Diameter .040 [1.02]

Standard Contacts

Materials

Pin and Socket Body — Copper alloy, plated gold over nickel

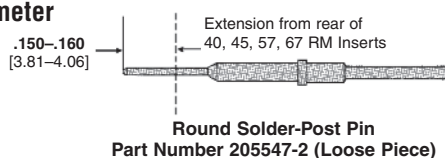
Socket Sleeve — Passivated stainless steel



Contact Type	Wire Size AWG mm ²	Insulation Diameter (Max.)	Tape Mounted Contacts		Loose Piece Contacts		Hand Crimping Tool		AMP-TAPETRONIC Stripper-Crimper	
			Pin	Socket	Pin	Socket	Tool	Positioner	Machine	Funnel
MIL-C-39029	24-20 0.2-.06	.071 1.80	204938-4	205116-2	204938-3	205116-1	M22520/2-01	M22520/2-08	599406-7	125905-1
Type XVII	30-26 0.05-0.15	.071 1.80	205791-4	—	205791-3	205116-5	M22520/2-01	M22520/2-08	599406-7	2-125905-4
Low Force, ARINC 600 connector contacts, suitable for use in ARINC 404 connectors (see page 4-19)										
Low Force ARINC 600*	24-20 0.2-0.6	.071 1.80	208265-4	—	208265-3	208267-2	M22520/2-01	M22520/2-08	599406-7	125905-1

*Color coding, two bands: orange and red.

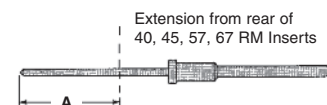
Round Solder-Post Contact, Solder Post Diameter .031 [0.79]



Material — Copper alloy, plated gold over nickel

Wrap-Type Posted Pin, .025 [0.64] Square Post

A	Part Number
.430 10.92	206210-2
.685 17.4	206210-4
.185 4.7	206210-6



Insertion and Extraction Tool for all ARINC 404 size 20 contacts:
MS81969/1-02
Part Number 91067-2

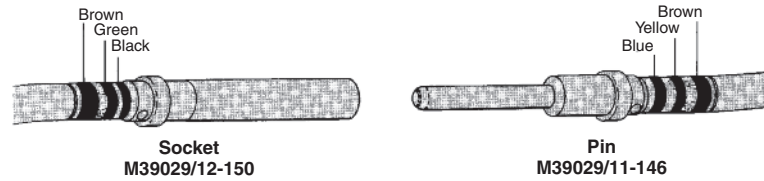
Size 16 Contacts — Pin Diameter .062 [1.58]

Standard Contacts

Materials

Pin and Socket Body — Copper alloy, plated gold over nickel

Socket Sleeve — Passivated stainless steel



Contact Type	Wire Size AWG mm²	Insulation Diameter (Max.)	Tape Mounted Contacts		Loose Piece Contacts		Hand Crimping Tool		AMP-TAPETRONIC Stripper-Crimper	
			Pin	Socket	Pin	Socket	Tool	Positioner	Machine	Funnel
MIL-C-39029	20-16 0.5-1.4	.103 2.62	—	205117-2	204978-3	205117-1	M22520/1-01	M22520/1-02	599406-5	125905-6

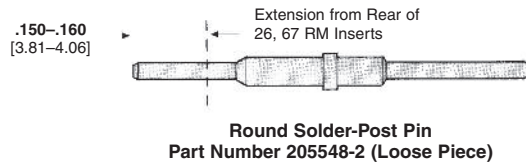
Low Force, ARINC 600 connector contacts, suitable for use in ARINC 404 connectors (see page 4-19)

Low Force ARINC 600*	20-16 0.5-1.4	.103 2.62	—	—	208268-3	208270-2	M22520/1-01	M22520/1-02	—	—
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*Color coding, two bands: orange and blue.

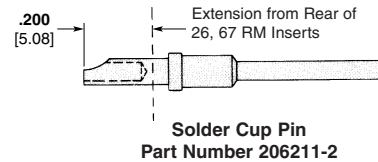
Round Solder-Post Contact Solder Post Diameter .062 [15.75]

Material — Copper alloy, plated gold over nickel



Solder Cup Pin

Material — Copper alloy, plated gold over nickel



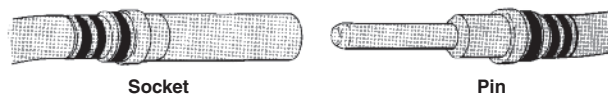
Insertion and Extraction Tool for all size 16 contacts: MS81969/1-03, Part Number 91066-3

Size 12 Contacts — Pin Diameter .094 [2.39]

Materials

Pin and Socket Body — Copper alloy, plated gold over nickel

Socket Sleeve — Passivated stainless steel

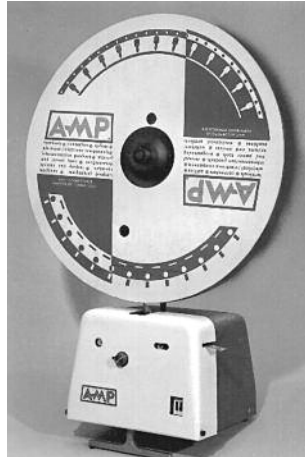


Contact Type	Wire Size AWG mm²	Insulation Diameter (Max.)	Part Numbers			
			Loose Piece Contacts		Hand Crimping Tool	
			Pin	Socket	Tool	Positioner
MIL-C-39029	14-12 2-3	.190 4.83	205763-5	205851-2	M22520/1-01	M22520/1-11
Low Force, ARINC 600 connector contacts, suitable for use in ARINC 404 connectors (see page 4-19)						
Low Force ARINC 600*	14-12 2-3	.190 4.83	208271-3	208273-2	M22520/1-01	M22520/1-11

*Color coding, two bands: orange and yellow.

Insertion and Extraction Tool for all size 12 contacts: Part Number 445147-1

Application Tooling



**AMP-TAPEMATIC
Stripper/Crimper**
Machine Part Number 599406-7

Portable bench machine that strips wire and crimps tape-mounted, closed-barrel pin and socket contacts for AMPLIMITE Military, ARINC and CPC connectors. The stripping and crimping heads are accessible through separate openings in the front of the machine. Wire strip length and crimp height are adjustable. The stripping head is pre-set to the proper cutting depth of four standard wire sizes.

Specifications

Width — 12.5 [317]
Depth — 12.5 [317]
Height — 10 [254] without reel
Weight — 45 lb [20 kg]
Electrical — 120 VAC, 60 Hz, 1.3 A
Wire Range — 28-20 AWG
 [0.08-0.5 mm²]



Hand Crimping Tool
(Tool Number 601966-1)
Part Number M22520/2-01

This standard military-type hand tool terminates screw-machined pins and sockets to wire with an 8-indent, M22520/2 crimp. It is ideally suited for prototype, field maintenance and other applications where volume production is not a factor.

Application Tooling Instruction Sheet Cross Reference

Tool Number	Instruction Sheet
601966-1	408-7516
601967-1	408-7516
599406-7	408-7516

Insertion/Extraction Tools, ARINC 404

Tool Part Number	Product Line	Contact Size	Contact Type	Color Code	Style
91066-1	ARINC 404	22	Signal	Green	Rear Release/Rear Remove
91067-2	ARINC 404	20	Signal	Red	Rear Release/Rear Remove
91066-3	ARINC 404	16	Signal	Blue	Rear Release/Rear Remove
445147-1	ARINC 404	12	Signal	—	Rear Release/Rear Remove
91066-3	ARINC 404	15	Coax	Blue	Rear Release/Rear Remove
91074-1	ARINC 404	9	Coax	—	Rear Release/Rear Remove
N/A captivated	ARINC 404	7	Coax	—	Rear Release/Rear Remove
91074-1	ARINC 404	5	Coax	—	Rear Release/Rear Remove
N/A captivated	ARINC 404	3	Coax	—	Rear Release/Rear Remove
N/A captivated	ARINC 404	1	Coax	—	Rear Release/Rear Remove

COAXICON Contacts

Size 1 Contacts

(For use in ARINC 404 and ARINC 600 Connectors)

Performance Characteristics

Nominal Impedance — 50 ohms

Frequency Range — 0 to 5 GHz

Operating Temperature —
-85°F to 329°F [-65°C to +165°C]

Operating Voltage (Rated) —
1000 VAC rms, 60 Hz at Sea Level

Contact Resistance (Milliohms) —
1.0 max. — Center Contact
0.2 max. — Outer Contact

Insulation Resistance — 5,000
megohms min. @500 vdc per MIL-STD-
1344, Method 3003 or MIL-STD-202,
Method 302, Cond. B

Dielectric Withstanding Voltage (60 Hz, rms) —

RG 214/U
2500 at Sea Level

RG 142/U
1900 at Sea Level

VSWR — 1.35 to 1.00 at 5 GHz

Insertion/Withdrawal Force —
Insertion (max.) 15 lb [66.72 N]
Withdrawal (min.) 1 lb [4.45 N]

Cable Retention —
RG 214/U
125 lb [556 N] min.
RG 142/U
60 lb [266.9 N] min.

Thermal Shock — per MIL-STD-
1344, Method 1003, Cond. A or MIL-
STD-202, Method 107, Cond. A

Physical Shock — per MIL-STD-
1344, Method 2004, Cond. D or
MIL-STD-202, Method 213, Cond. D
except 300 G max.

Vibration — per MIL-STD-1344,
Method 2005, Cond. VI, Letter J or
MIL-STD-202, Method 204, Cond. E
except 42 G max.

Humidity Temperature Cycling —
per MIL-STD-1344, Method 1002, Type
II, Cond. A or MIL-STD-202, Method 106

Salt Spray — per MIL-STD-1344,
Method 1001, Cond. B or MIL-STD-
202, Method 101, Cond. B

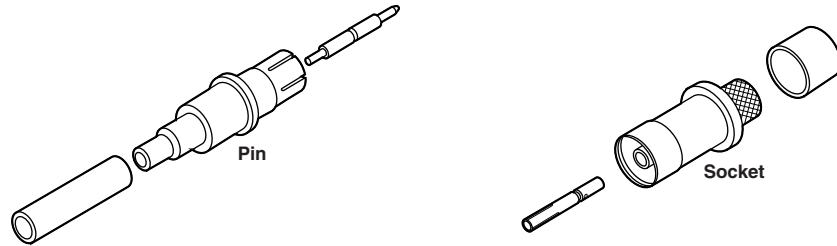
Temperature Life — per MIL-STD-
1344, Method 1005, Cond. D or
MIL-STD-202, Method 108, Cond. D

Material and Finish

Contact — Beryllium Copper per
ASTM-B-196/ASTM-B-197, Brass per
ASTM-B-16, PTFE per ASTM-D-1710,
Silicon Rubber per ZZ-R-765, Gold plate
per MIL-G-45204, Nickel plate per QQ-
N-290

Ferrule — Copper per ASTM-B-188,
Tin plate per ASTM-B-545

Size 1 (Captivated)



Contact Size	RG/U Cable	Contact Part No.		“O” Crimp Tooling			Compression Crimp Tooling		
		Pin	Socket	Tool (M22520/)	Center Contact Positioner/ Die	Ferrule	Tool (M22520/)	Locator (M22520/)	Dies (M22520/)
1	402 Semi-Rigid .141 [3.58]	225837-1	—	601966-1 (2-01)	1-601966-9	91905-1*	—	—	—
	402 Semi-Rigid .141 [3.58]	222018-1	—	—	—	—	59980-1 (36-01)	220220-2 (36-06)	312253-1 (36-03)
	405 Semi-Rigid .086 [2.18]	222018-2	—	—	—	—	59980-1 (36-01)	220220-2 (36-06)	312253-2 (36-02)
	214	—	225831-1	220015-1	—	220015-1	—	—	—
	142, 142A, 142B	—	225831-3	91902-1*	—	91902-1*	—	—	—
	393	—	225831-6	220015-1	—	220015-1	—	—	—

* SDE die used with tool frame 354940-1

COAXICON Contacts (Continued)

Size 3 Contacts

(For use in ARINC 404 Connectors)

Performance Characteristics

Nominal Impedance — 50 ohms

Frequency Range — 0 to 5 GHz

Operating Temperature —
-85°F to 329°F [-65°C to +165°C]

Operating Voltage (Rated) —
500 V rms, 60 Hz at Sea Level

Contact Resistance (Milliohms) —
Center Contact — 2.1 max.
Outer Contact — 0.2 max.

Insulation Resistance —
5,000 megohms min. @ 500 vdc per
MIL-STD-1344, Method 3003 or MIL-
STD-202, Method 302, Cond. B

Dielectric Withstanding Voltage
(60 Hz, rms) —
1500 V rms at Sea Level

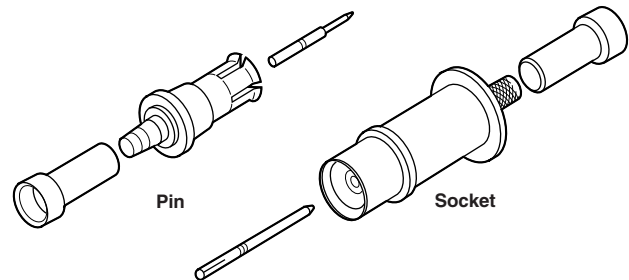
VSWR — 1.3 to 1.0 at 5 GHz

Material and Finish

Contact — Beryllium Copper per
ASTM-B-196/ASTM-B-197, Brass per
ASTM-B-16, PTFE per ASTM-D-1710,
Silicon Rubber per ZZ-R-765, Gold plate
per MIL-G-45204, Nickel plate per
QQ-N-290, Tin plate per MIL-L-46064A

Ferrule — Copper per ASTM-B-188,
Tin plate per ASTM-B-545

Size 3 (Captivated)



Contact Size	RG/U Cable	Contact Part No.		"O" Crimp Tooling		
		Pin	Socket	Tool (M22520/)	Center Contact Positioner/Die	Ferrule
3	58C	226053-1	225792-3	601966-1 (2-01)	2-601966-4 ¹ 1-601966-8 ²	91905-1*
	225	—	225792-5	220015-1	—	220015-1
	214	—	225792-1	220015-1	—	220015-1
3 (Right-Angle)	142, 142A, 142B	228011-1	—	601966-1 (2-01)	1-601966-8	91905-1*

¹ Use with pin contact

² Use with socket contact

* SDE die used with tool frame 354940-1

Size 5, 9 and 15 Contacts

(For use in ARINC 404 Connectors)

Performance Characteristics for size 5, 9 and 15 contacts

Nominal Impedance — 50 ohms

Frequency Range — 0 to 500 MHz

Operating Temperature —
-85°F to 329°F [-65°C to +165°C]

Operating Voltage (Rated) —
325 VAC rms, 60 Hz

Contact Resistance (Milliohms) —
Sizes 5 and 9 with RG 58/U cable:

Center Contact — 10

Outer Contact — 1.5

Size 15 with RG 316/U cable:

Center Contact — 15

Outer Contact — 2

Insulation Resistance —
5,000 megohms min. @ 500 vdc
per MIL-STD-1344, Method 3003 or
MIL-STD-202, Method 302, Cond. B

Dielectric Withstanding Voltage
(60 Hz, rms) —

Sizes 5 and 9 with RG 58/U and 316/U
cable:

750 at Sea Level

350 at 50,000 ft [15 240 m]

Size 15 with RG 316/U, 178/U and
196/U cable:

325 at Sea Level

150 at 50,000 ft [15 240 m]

VSWR — 1.3 to 1.0 @ 500 MHz

Insertion/Withdrawal Force —
Sizes 5 and 9:

Insertion Force Maximum		Withdrawal Force Minimum	
lb	[N]	lb	[N]
5	22.24	1	4.45

Size 15:

Insertion Force Maximum		Withdrawal Force Minimum	
oz	[N]	oz	[N]
35	6.95	5	1.39

Cable Retention

Sizes 5 and 9:

60 lb [266.9 N]

Size 15:

10 lb [44.5 N]

Durability — 500 cycles

Thermal Shock — per MIL-STD-
1344, Method 1003, Cond. A or MIL-
STD-202, Method 107, Cond. A

Physical Shock — per MIL-STD-
1344, Method 2004, Cond. A or MIL-
STD-202, Method 213, Cond. A

Vibration — per MIL-STD-1344,
Method 2005, Cond. IV or MIL-STD-
202, Method 204, Cond. D

Moisture Resistance — per MIL-
STD-202, Method 106, omit steps 7a
and 7b

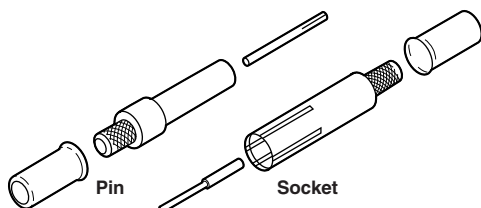
Salt Spray — 48 hours per MIL-STD-
1344, Method 1001, Cond. B or
MIL-STD-202, Method 101, Cond. B

Material and Finish

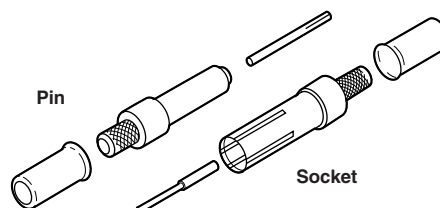
Contact — Beryllium copper per
ASTM-B-196/ASTM-B-197, Brass per
ASTM-B-16, PTFE per ASTM-D-1710,
Gold plate per MIL-G-45204, Nickel
plate per QQ-N-290

Ferrule — Copper per ASTM-B-188,
tin plate per ASTM-B-545

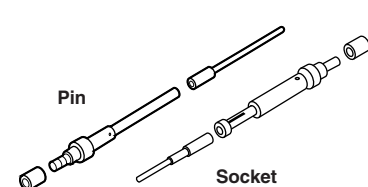
Size 5



Size 9



Size 15

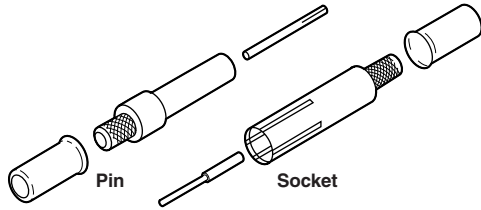


COAXICON Contacts (Continued)

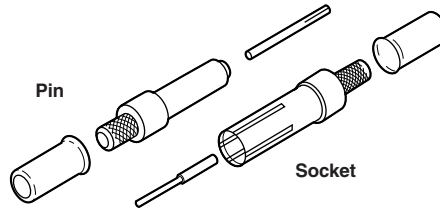
Size 5, 9 and 15 Contacts

(Continued)

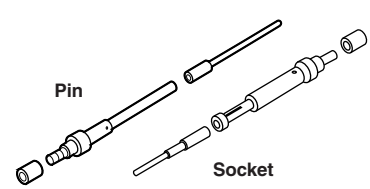
Size 5



Size 9



Size 15



Contact Size	RG/U Cable	Contact Part No.		"O" Crimp Tooling			Military Hex Crimp Tooling			
		Pin	Socket	Center Contact			Center Contact		Ferrule	
				Tool (M22520/)	Positioner/ Die	Ferrule	Tool (M22520/)	Die (M22520/)	Tool (M22520/)	Die (M22520/)
5	58C	225790-1	225791-1	601966-1 (2-01)	1-601966-6 K345	91905-1**	—	—	—	—
	400, 142, 142A, 142B	225790-2	225791-2	220066-2	—	91905-1**	—	—	—	—
	141A	225790-1	225791-1	220066-2	—	91905-1**	—	—	—	—
	402 Semi-Rigid .141 [3.58]	225790-3	225791-6	220066-2	—	91905-1**	—	—	—	—
	174, 188, 316	225790-5	225791-3	601966-1 (2-01)	1-601966-6 K345	91905-1**	—	—	—	—
	180, 195	225790-4	225791-8	601966-1 (2-01)	1-601966-6 K345	91905-1**	—	—	—	—
	179, 187	225790-6 5-225790-6*	225791-4 5-225791-4*	601966-1 (2-01)	1-601966-6 K345	91905-1**	—	—	—	—
	178, 196	225790-7	225791-5	601966-1 (2-01)	1-601966-6 K345	220020-1	—	—	—	—
	223	225790-2	225791-2	601966-1 (2-01)	1-601966-6 K345	91905-1**	—	—	—	—
	316 Double Shield 188 Double Shield	225790-8	1-225791-0	—	—	—	601966-1 (2-01)	1-601966-6 K345	608650-1 (5-01)	(Y159)
Military Hex Crimp 5	316 Double Shield 188 Double Shield	225790-8 5-225790-8*	1-225791-0	—	—	—	601966-1 (2-01)	1-601966-6 K345	608650-1 (5-01)	(Y159)
	58C, 141A	447850-1	447851-1	—	—	—	601966-1 (2-01)	1-601966-6 K345	608650-1 (5-01)	(5-45B)
	142, 142A, 142B	447850-2	447851-2	—	—	—	601966-1 (2-01)	1-601966-6 K345	608650-1 (5-01)	(5-45B)
	402 Semi-Rigid .141 [3.58]	447850-3	447851-3	—	—	—	601966-1 (2-01)	1-601966-6 K345	608650-1 (5-01)	(5-45A)
	174, 188, 316	447850-4	447851-4	—	—	—	601966-1 (2-01)	1-601966-6 K345	608650-1 (5-01)	(5-37B)
9	58C 141A	225935-1	225936-2	601966-1 (2-01)	1-601966-6 K345	91905-1**	—	—	—	—
	174, 188 316	225935-4 5-225935-4*	225936-3 5-225936-3*	601966-1 (2-01)	1-601966-6 K345	91905-1**	—	—	—	—
	142A, 142B	225935-5	225936-5	601966-1 (2-01)	1-601966-6 K345	91905-1**	—	—	—	—
	316 Double Shield 188 Double Shield	225935-6	225936-9	—	—	—	601966-1 (2-01)	1-601966-6 K345	608650-1 (5-01)	(Y159)
	179, 187	225935-7	225936-7	601966-1 (2-01)	1-601966-6 K345	91905-1**	—	—	—	—
15	188, 316	226782-1	226781-1	601966-1 (2-01)	2-601966-6	601963-2 (4-01)	—	—	—	—
	179, 187	226782-2 5-226781-2*	226781-2 5-226781-2*	601966-1 (2-01)	2-601966-6	601963-2 (4-01)	—	—	—	—
	178, 196	226782-3 5-226782-3*	226781-3	601966-1 (2-01)	2-601966-6	601963-2 (4-01)	—	—	—	—

* RoHS compliant Part Numbers.

** SDE die used with tool frame 354940-1.

Extraction tools:

Size 5 and 9 —

Part Number 91074-1

Size 15 —

Part Number 91066-3

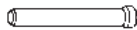
Plugs, Boots and Caps

Sealing Plugs

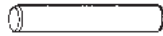
Size 22
Part Number 204760-1
White PTFE



Size 20
Part Number 203839-1
Red thermoplastic



Size 16
Part Number 203839-2
Blue thermoplastic

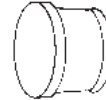


Size 12
Part Number 205574-1
Yellow thermoplastic

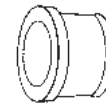


Coaxial Sealing Plug and Boot

Size 5
Plug—Part Number 205975-1

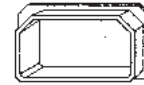


Boot for RG-58C cable—
Part Number 205402-2
Boot for RG-180, -190 cable—
Part Number 205402-3

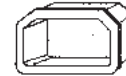


Dust Covers

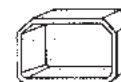
Conductive Receptacle Cap
Part Number 445918-1
Conductive Plug Cap
Part Number 447162-1



Plug Cap
Part Number 205282-1



Receptacle Cap
Part Number 205283-1



106-Contact Inserts for Flexible Flat Cable



These custom-made assemblies use TE Connectivity Flexible Flat Conductor Cable which has .050 [1.27] wide conductors, .003 [0.08] thick, on .100 [2.54] centers (or similar, customer-specified cable). The inserts mate with 106-contact

inserts, shown on page 4-49, with size 22 contacts.

The adaptability of flexible flat cable to many uses, the wide variety of contact styles available, and the high quality of TE assembled harnesses make these

inserts particularly attractive. Among their outstanding features are that they require no soldering, welding or potting, and the inserts are repairable by replacement of individual cables.

Flexible Flat Conductor Cable

■ Recognized under the Component Program of Underwriters Laboratories Inc., File No. E53793



Consult TE for additional information.

Specifications

Temperature Rating —
-67°F to 221°F [-55°C to +105°C]

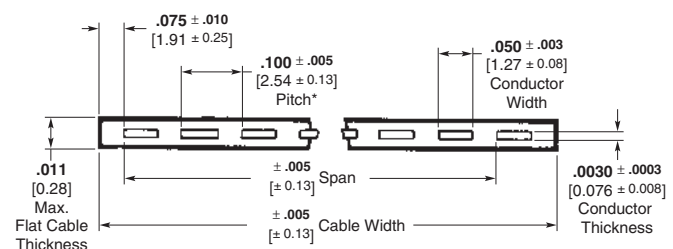
Voltage Rating — 300 volts per UL Style No. 2646

Current Rating — 3 amperes, equivalent 27 AWG [0.1 mm²]

Insulation Resistance — 5000 megohms (min.)

Insulation Material — Polyester

Flammability — Self-extinguishing per applicable UL requirement



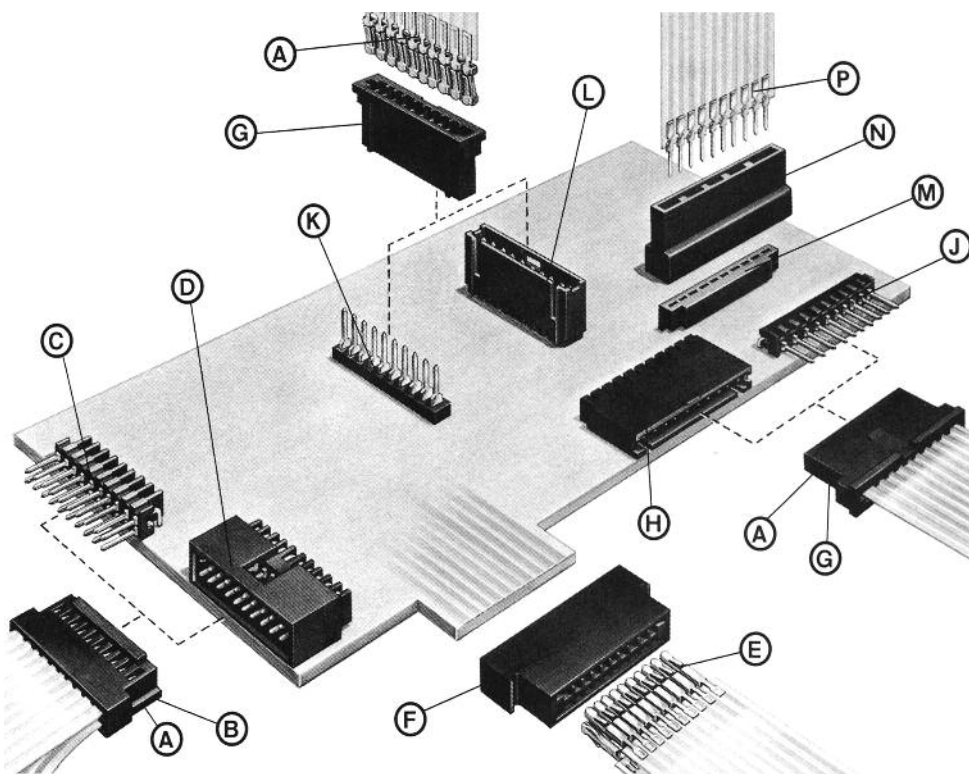
*Tolerance non-cumulative

Flexible Flat Cable Applications

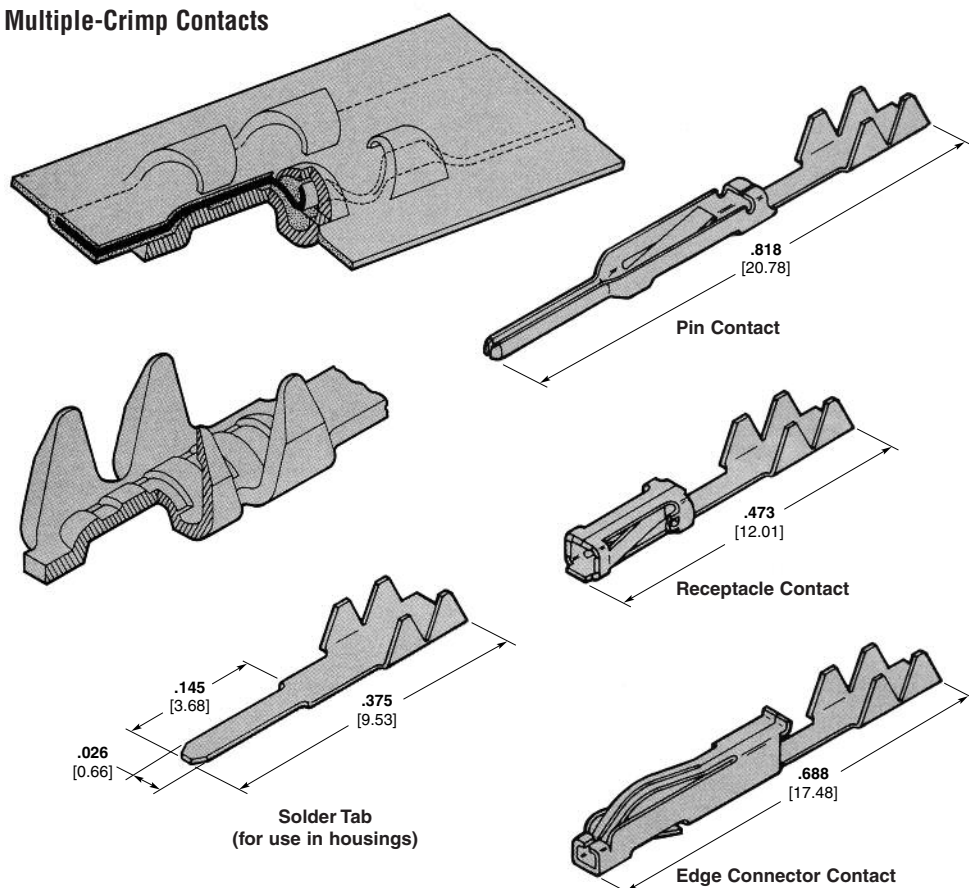
Design Options

Some of the many possible applications for flexible flat cable are illustrated here. Additionally, individual cables can be divided for termination with a mixture of various contact styles. For more information consult TE Connectivity.

- A** Receptacle contacts
- B** Double row receptacle housing
- C** .025 [0.64] square post, double-row, right-angle header
- D** .025 [0.64] square post, double-row, right-angle header, shrouded
- E** PC edge connector contacts
- F** PC edge connector housing
- G** Receptacle housing
- H** .025 [0.64] square post, single-row, right-angle header, shrouded
- J** .025 [0.64] square post, single-row, right-angle header
- K** .025 [0.64] square post, single-row, straight header
- L** .025 [0.64] square post, single-row, straight header, shrouded
- M** Polarized SIP Socket
- N** Solder tab housing
- P** Solder tab contacts



Multiple-Crimp Contacts



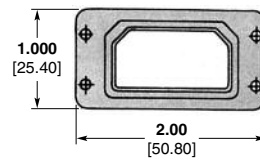
Special Shells and Inserts

Miniature Connectors

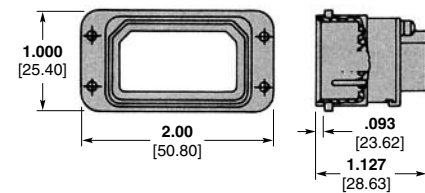
RA Series (unsealed)



Example: RA 1 P 32S 00 200

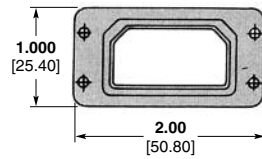


Plug (RA1P)

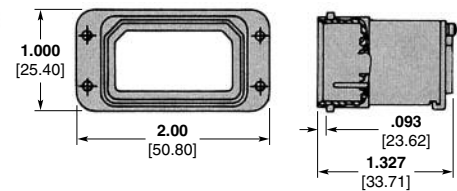


Receptacle (RA1R)

RE Series (environmentally sealed)



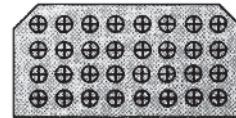
Plug (RE1P)



Receptacle (RE1R)

Contact Inserts for Miniature Connectors

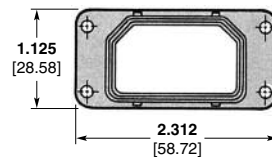
These inserts accept standard contacts shown on pages 4-53 and 4-54.



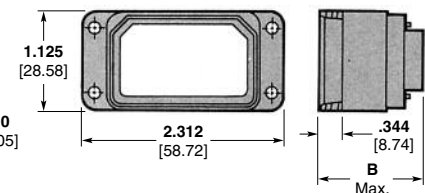
Arrangement 32
32 Size 20 Contacts

Standard Size, Unkeyed Connectors

RMA Series (unsealed)



Plug



Receptacle

RMAE Series (environmentally sealed)

These connectors use inserts shown on page 4-49. The shells are similar to standard series shells, except they are lighter weight and offer no keying provision.

Contact Arrangement	Dimensions			
	A Max. (Plug)		B Max. (Receptacle)	
	RMA	RMAE	RMA	RMAE
106	1.120 28.45	1.320 33.53	1.250 31.75	1.450 36.83
8, D8, 26, 40, 45, 57, 67	1.220 30.99	1.420 36.07	1.350 34.29	1.550 39.40
C8, 32C2, 32C4, 33C4, 40C1	1.420 36.07	1.420 36.07	1.550 39.37	1.550 39.37

Cross Reference

Descriptive Part No.	Part No.	RoHS Part No.
M2P106P106P-2300(204)	0-1218229-1	—
M2R57P57P-0004(201)	0-1218368-1	—
M2RC8P106S-0104(200)	0-1218919-1	—
MM2R106S106S-0100(201)	0-1218476-1	—
MME1P106P-2301(204)	0-1484157-1	—
MME1P40S-0300(201)	0-1218230-1	—
MME1P57P-2301(204)	0-1218638-1	—
MME1R106S-0001(204)	0-1484158-1	—
MME1R57S-0001(204)	0-1218639-1	—
MME2P106PC8S-7101(201)	0-1218239-1	—
MME2P33C4S106P-29(204)	0-1218735-1	—
MME2P33C4SD8S-00(200)	0-1218720-1	—
MME2P57P57P-00(204)	0-1218814-1	5-1218814-1
MME2P57S57S-00(201)	0-1218706-1	5-1218706-1
MME2R33C4P106S-00(204)	0-1218745-1	—
MME2R33C4PD8P-00(200)	0-1218619-2	—
MME2R33C4PD8P-00(201)	0-1218619-1	5-1218619-1
MME2R40P40P-0001(204)	0-1218236-1	—
MME2R57S57S-00(200)	0-1484033-1	—
MME2R57S57S-00(201)	0-1484033-2	5-1484033-2
MME3R26P26P26P-1801(200)	0-1218155-1	—
R1P106S-2301(201)	0-0213431-1	—
R1P8S-0201(200)	0-1218133-1	—
R1R106P-0001(201)	0-0213432-1	—
R1R57P-0101(250)	0-1484148-1	—
R2P26S33C4S-0001(200)	0-1218637-1	5-1218637-1
R2P57S26S-0301(200)	0-1218361-1	—
R2P57S57S-0001(200)	0-0213433-1	—
R2P67S106P-3300(202)	2-0445564-0	—
R2P67S67S-0000(400)	0-1218101-1	—
R2R106S106S-0104(201)	0-0443098-1	—
R2R106S106S-2301(200)	0-0213434-6	—
R2R106S106S-2301(201)	0-0213434-7	—
R2R26P45P-0101(200)	0-0213434-1	—
R2R32C4P106S-0101(201)	0-1218404-1	—
R2R45P45P-0101(200)	0-0213434-2	—
R2R57P26P-0301(201)	0-1218205-1	—
R2R57P57P-0001(201)	0-1218146-1	—
R2R67P67P-0001(200)	0-0213434-3	—
R2R67P67P-0001(201)	0-0213434-4	—
R2R67P67P-0101(200)	0-0213434-5	5-0213434-5
RA1R32P-00(201)	0-1218080-1	—
RE1P32S-00(200)	0-1218176-1	—
RM1P106P-00(202)	0-1218314-1	—
RM1P26S-0001(200)	0-0213435-2	—
RM1P33C4S-0001(201)	0-0213435-3	—
RM1P33C4S-0001(200)	0-1218182-1	—
RM1P40C1P-0001(200)	0-0213435-5	—
RM1P40C1S-0001(200)	0-0213435-6	—
RM1P40S-0001(201)	0-0213435-4	—
RM1P40S-0001(200)	0-1218350-1	—
RM1P45S-00(200)	0-1218479-2	—
RM1P45S-0000(200)	0-1218479-1	5-1218479-1
RM1P57S-00(200)	0-0213435-7	—
RM1P57S-00(201)	0-0213435-8	—
RM1P57S-0001(200)	0-1218401-1	—
RM1P67S-00(200)	0-0213435-9	—
RM1P67S-0001(200)	0-1218042-1	—
RM1P67S-2366(200)	0-1218756-1	—

Descriptive Part No.	Part No.	RoHS Part No.
RM1P8S-0301(200)	0-1218237-1	—
RM1PD8P-0001(200)	0-0213435-1	5-0213435-1
RM1R106S-01(200)	0-1218724-1	—
RM1R32C4P-0101(200)	0-1218039-1	—
RM1R33C4P-0001(201)	0-0213436-2	—
RM1R33C4P-0101(200)	0-1218040-1	—
RM1R33C4P-0101(201)	0-1218040-2	—
RM1R40C1S-2301(200)	0-0213436-3	—
RM1R40P-0301(201)	0-1218363-1	—
RM1R67P-00(200)	0-0213436-4	—
RM1R67P-0101(200)	0-1218041-1	—
RM1R67P-0101(201)	0-1218041-2	—
RM1R67P-1848(200)*	0-1218656-1	—
RM1RD8S-0001(200)	0-0213436-1	5-0213436-1
RM2P106P106P-00(200)	0-0213437-9	—
RM2P106P106P-00(201)	1-0213437-0	—
RM2P106P106P-0000(201)	0-0445564-4	—
RM2P106P106P-00(202)	4-0445564-0	—
RM2P106P106P-0401(201)	1-0445564-4	—
RM2P106S106S-0201(200)	3-0445564-6	—
RM2P26PC8P-0001(200)	0-0213437-1	5-0213437-1
RM2P26S26S-0001(200)	0-0213437-2	5-0213437-2
RM2P26S26S-2301(201)	0-1218046-1	5-1218046-1
RM2P32C2P32C2P-0000(201)	0-0445564-0	—
RM2R32C2P40C1P-0001(200)	0-1218145-1	—
RM2P32C2S26S-0031(200)	0-1218876-1	5-1218876-1
RM2P33C4S33C4S-0001(200)	0-1218528-1	—
RM2P33C4S33C4S-0301(200)	0-0213437-4	—
RM2P33C4SC8S-0001(201)	0-0213437-3	—
RM2P33C4SD8S-0301(200)	0-1218228-1	—
RM2P40C1P40C1P-0000(201)	0-0445564-1	—
RM2P40S40S-02(206)	2-0445564-6	—
RM2P40S67S-0301(200)	0-1218226-1	—
RM2P45S45S-0001(200)	2-0445564-4	—
RM2P45S57S-00(200)	0-0206442-1	—
RM2P57P57P-0000(201)	0-0445564-2	—
RM2P57S57S-00(200)	0-0213437-5	—
RM2P67P67P-0000(201)	0-0445564-3	—
RM2P67S32C2S-0001(200)	0-0213437-6	5-0213437-6
RM2P67S32C2S-0001(201)	0-0213437-7	—
RM2P67S67S-00(202)	4-0445564-1	—
RM2P67S67S-0301(200)	0-0213437-8	—
RM1P67S67S-5001(200)	0-1218045-1	—
RM2PC8SC8S-0301(201)	1-0445564-7	—
RM2R106P106P-0001(201)	1-0213438-3	—
RM2R106S106S-00(200)	1-0213438-4	—
RM2R106S106S-00(202)	0-0446913-9	—
RM2R106S106S-0101(201)	0-1218934-1	—
RM2R106SD8P-0001(200)	1-0213438-2	—
RM2R26P26P-0001(200)	0-0213438-2	5-0213438-2
RM2R26SC8S-0001(200)	0-0213438-1	5-0213438-1
RM2R32C2P40C1P-0001(201)	0-0213438-3	—
RM2R33C4P33C4P-0101(200)	0-1218490-1	—
RM2R33C4P33C4P-2301(200)	0-0213438-6	—
RM2R33C4P57P-0101(400)	0-1218299-1	—
RM2R33C4S33C4S-0001(200)	0-0213438-5	—
RM2R33C4SC8S-0001(201)	0-0213438-4	—
RM2R40C1P67P-00(200)*	0-1218473-1	—
RM2R40P40P-0104(200)	0-1218342-1	—

*Assembly loaded with posted contacts

Cross Reference (Continued)

Descriptive Part No.	Part No.	RoHS Part No.
RM2R40P67P-3301(200)	0-1218227-1	—
RM2R57P57P-0104(200)	0-1218348-1	—
RM2R67P26P-00(200)	0-0213438-7	—
RM2R67P32C2P-0001(200)	0-0213438-8	—
RM2R67P40C1P-0101(200)	0-0213438-9	—
RM2R67P57P-00(200)	1-0213438-0	—
RM2R67P67P-0000(200)	0-0446913-0	—
RM2R67P67P-00(202)	2-0445564-2	—
RM2R67P67P-0101(200)	1-0213438-1	—
RM2RC3P67P-0019(201)	0-1218206-1	—
RM2R67P32C2P-0101(200)	0-0448584-1	—
RM3P32C2S67S32C2S-0001(201)	0-1218349-1	—
RM3P40S32C2SC2S-0301(200)	0-1218224-1	—
RM3PC8S32C2S106P-0001(200)	0-0443969-1	—
RM3R40P32C2PC2P-3301(200)	0-1218225-1	—
RM2R40P40P-0104(200)	0-1218342-1	—
RM3RC8P32C2P106S-0001(200)*	0-0443970-1	—
RM4P106P106P106P88P-00(200)	0-0443174-1	—
RM4R88S106S106S106S-00(200)*	0-0443089-1	—
RMA1P26P-00(201)	0-1218202-1	—
RMA1P26S-00(201)	0-1218201-1	—
RMA1P45S-39(201)	0-1218959-1	—
RMA1P8S-39(201)	0-1218957-1	—
RMA1R26P00(201)	0-1218203-1	—
RMA1R45P-01(201)	0-1218960-1	—
RMA1R8P-01(201)	0-1218958-1	—
RME1P106P-0301(201)	0-1218354-1	—
RME1P33C4S-0001(200)	0-0213439-1	5-0213439-1
RME1P40C1S-01(250)	0-1484241-1	—
RME1P40C1S-01(251)	0-1484241-2	—
RME1P40S-0101(200)	0-1218352-1	—
RME1R106S-0201(201)	0-1218402-1	—
RME1R33C4P-0001(200)	0-0213440-2	—
RME1R40C1P-01(250)	0-1484240-1	—
RME1R40C1P-01(251)	0-1484240-2	—
RME1R40P-0001(200)	0-0213440-3	—
RME1R8P-0101(200)	0-0213440-1	—
RME2P106P106P-00(201)	0-0213441-6	—
RME2P106P106P-0001(200)	0-0213441-5	—

Descriptive Part No.	Part No.	RoHS Part No.
RME2P106P106P-0301(200)	0-0213441-7	—
RME2P106P106P-0399(254)	2-0445564-3	—
RME2P106P26P-0001(201)	1-0445564-3	—
RME2P106PD8S-5101(200)	2-0445564-1	—
RME2P106S106S-0001(200)	0-0213441-8	—
RME2P106S26P-0001(201)	1-0445564-5	—
RME2P106S26P-5001(201)	0-1218207-1	—
RME2P33C4S57S-0001(400)	0-1218300-1	—
RME2P40S40S-0015(200)	0-1218356-1	—
RME2P45S45S-0001(200)	0-0445564-5	—
RME2P45S8P-29 (204)	0-1218895-1	—
RME2P67S67S-0001(200)	0-0213441-2	5-0213441-2
RME2P67S67S-0101(200)	0-0213441-3	—
RME2P67S67S-0301(200)	0-0213441-4	—
RME2P67S67S-5001(200)	0-1218214-1	—
RME2P67SD8S-0001(200)	0-0213441-1	—
RME2P67SD8S-0001(201)	2-0445564-7	—
RME2P77C2P77C2P-0001(250)	0-0448235-1	—
RME2P8S77C2P-0001(250)	0-0448235-2	—
RME2PC8SC8S-0301(251)	0-0445564-6	—
RME2R106P106P-0001(201)	0-0446913-3	—
RME2R106P26S-2301(200)	0-0446913-1	—
RME2R106S106S-0001(200)	0-0446913-4	—
RME2R106S106S-2301(201)	0-0213442-5	—
RME2R106S33C4P-0001(201)	0-0213442-3	—
RME2R40P8P-0101(201)	0-0213442-1	—
RME2R45P8S-00(200)	0-1218894-1	—
RME2R67P26P-5002(200)	0-1484014-1	—
RME2R67P67P-3301(201)	0-1218343-1	5-1218343-1
RME2R67PD8P-0001(200)	0-0213442-2	—
RME2R77C2S77C2S-0001(250)	0-0448227-1	—
RME2R8P77C2S-0001(250)	0-0448227-2	—
RME2RC8S67S-00(200)	0-1218353-1	—
RME3P106P106P106S-0001(200)	0-1218297-1	—
RME3P57P26P26P-2600(201)	0-1218159-1	—
RME3P88S106S106S-0001(400)	0-1218358-1	—
RME3R57S26S26S-3300(201)	0-1218158-1	—
RME3R67P106S67P-7611(204)	0-1218723-1	—

*Assembly loaded with posted contacts

Cross Reference

The commercial equivalent connectors listed include contacts in quantities as specified by MIL-C-81659. Military connectors may be ordered without contacts by placing the (201) custom ordering code (page 4-52) behind the TE Connectivity Descriptive Part Number. Connectors with keying installed may also be ordered by specifying it in the TE Descriptive Part Number (page 4-46).

REF MIL Designation	TE Commercial Equivalent	ITT Cannon Designation
MIL-C-81659/29A2-0001	MME1P26P-00	
MIL-C-81659/29A2-0002	MME1P26S-00	DPXBNE-26M-33S-00
MIL-C-81659/29A2-0009	MME1P40P-00	
MIL-C-81659/29A2-0010	MME1P40S-00	DPXBNE-40M-33S-00
MIL-C-81659/29A2-0017	MME1P45P-00	
MIL-C-81659/29A2-0018	MME1P45S-00	DPXBNE-45M-33S-00
MIL-C-81659/29A2-0025	MME1P57P-00	
MIL-C-81659/29A2-0026	MME1P57S-00	DPXBNE-57M-33S-00
MIL-C-81659/29A2-0033	MME1P67P-00	
MIL-C-81659/29A2-0034	MME1P67S-00	DPXBNE-67M-33S-00
MIL-C-81659/29A2-0041	MME1P106P-00	DPXBNE-A106-33P-00
MIL-C-81659/29A2-0042	MME1P106S-00	
MIL-C-81659/29A2-0083	MME1PD8P-00	
MIL-C-81659/29A2-0084	MME1PD8S-00	DPXBNE-D8M-33S-00
MIL-C-81659/31A2-0001	MME1R26P-00	DPXBNE-26M-34P-00
MIL-C-81659/31A2-0002	MME1R26S-00	
MIL-C-81659/31A2-0009	MME1R40P-00	DPXBNE-40M-34P-00
MIL-C-81659/31A2-0010	MME1R40S-00	
MIL-C-81659/31A2-0017	MME1R45P-00	DPXBNE-45M-34P-00
MIL-C-81659/31A2-0018	MME1R45S-00	
MIL-C-81659/31A2-0025	MME1R57P-00	DPXBNE-57M-34P-00
MIL-C-81659/31A2-0026	MME1R57S-00	
MIL-C-81659/31A2-0033	MME1R67P-00	DPXBNE-67M-34P-00
MIL-C-81659/31A2-0034	MME1R67S-00	
MIL-C-81659/31A2-0041	MME1R106P-00	
MIL-C-81659/31A2-0042	MME1R106S-00	DPXBNE-A106-34S-00
MIL-C-81659/31A2-0083	MME1RD8P-00	DPXBNE-D8M-34P-00
MIL-C-81659/31A2-0084	MME1RD8S-00	
MIL-C-81659/33A2-0003	MME2P26P26P-00	
MIL-C-81659/33A2-0004	MME2P26S26S-00	DPX2NE-26MS26MS-33B-00
MIL-C-81659/33A2-0011	MME2P40P40P-00	
MIL-C-81659/33A2-0012	MME2P40S40S-00	DPX2NE-40MD40MD-33B-00
MIL-C-81659/33A2-0019	MME2P45P45P-00	
MIL-C-81659/33A2-0020	MME2P45S45S-00	DPX2NE-45MS45MS-33B-00
MIL-C-81659/33A2-0027	MME2P57P57P-00	
MIL-C-81659/33A2-0028	MME2P57S57S-00	DPX2NE-57MS57MS-33B-00
MIL-C-81659/33A2-0035	MME2P67P67P-00	
MIL-C-81659/33A2-0036	MME2P67S67S-00	DPX2NE-67MS67MS-33B-00
MIL-C-81659/33A2-0043	MME2P106P106P-00	DPX2NE-A106PA106P-33B-00
MIL-C-81659/33A2-0044	MME2P106S106S-00	
MIL-C-81659/33A2-0057	MME2P106S26P-00	
MIL-C-81659/33A2-0058	MME2P106P26S-00	DPX2NE-A106P26MS-33B-00
MIL-C-81659/33A2-0059	MME2P26P106S-00	
MIL-C-81659/33A2-0060	MME2P26S106P-00	DPX2NE-26MSA106P-33B-00
MIL-C-81659/33A2-0071	MME2P67P106S-00	
MIL-C-81659/33A2-0072	MME2P67S106P-00	DPX2NE-67MSA106P-33B-00
MIL-C-81659/33A2-0089	MME2P106S67P-00	
MIL-C-81659/33A2-0090	MME2P106P67S-00	DPX2NE-A106P67MS-33B-00
MIL-C-81659/33A2-0133	MME2P57P106S-00	DPX2NE-57MSA106P-33B-00
MIL-C-81659/33A2-0134	MME2P57S106P-00	
MIL-C-81659/33A2-0147	MME2P57P26P-00	
MIL-C-81659/33A2-0148	MME2P57S26S-00	DPX2NE-57MS26MS
MIL-C-81659/35A2-0003	MME2R26P26P-00	DPX2NE-26MP26MP-34B-00
MIL-C-81659/35A2-0004	MME2R26S26S-00	
MIL-C-81659/35A2-0011	MME2R40P40P-00	DPX2NE-40MP40MP
MIL-C-81659/35A2-0012	MME2R40S40S-00	
MIL-C-81659/35A2-0019	MME2R45P45P-00	DPX2NE-45MP45MP
MIL-C-81659/35A2-0020	MME2R45S45S-00	
MIL-C-81659/35A2-0027	MME2R57P57P-00	DPX2NE-57MP57MP
MIL-C-81659/35A2-0028	MME2R57S57S-00	

MIL-C-81659/35A2 Continued on page 4-65

Cross Reference (Continued)

REF MIL Designation	TE Commercial Equivalent	ITT Cannon Designation
MIL-C-81659/35A2-0035	MME2R67P67P-00	DPX2NE-67MP67MP
MIL-C-81659/35A2-0036	MME2R67S67S-00	
MIL-C-81659/35A2-0043	MME2R106P106P-00	
MIL-C-81659/35A2-0044	MME2R106S106S-00	DPX2NE-A106SA106S
MIL-C-81659/35A2-0057	MME2R106S26P-00	DPX2NE-A106S26MP
MIL-C-81659/35A2-0058	MME2R106P26S-00	
MIL-C-81659/35A2-0059	MME2R26P106S-00	DPX2NE-26MPA106S
MIL-C-81659/35A2-0060	MME2R26S106P-00	
MIL-C-81659/35A2-0071	MME2R67P106S-00	DPX2NE-67MPA106S
MIL-C-81659/35A2-0072	MME2R67S106P-00	
MIL-C-81659/35A2-0089	MME2R106S67P-00	DPX2NE-A106S67MP
MIL-C-81659/35A2-0090	MME2R106P67S-00	
MIL-C-81659/35A2-0133	MME2R57P106S-00	DPX2NE-57MPA106S
MIL-C-81659/35A2-0134	MME2R57S106P-00	
MIL-C-81659/35A2-0147	MME2R57P26P-00	DPX2NE-57MP26MP
MIL-C-81659/35A2-0148	MME2R57S26S-00	
MIL-C-81659/37A2-0005	MME3P26P26P26P-00	
MIL-C-81659/37A2-0006	MME3P26S26S26S-00	DPX3NE-78M-33S-00
MIL-C-81659/37A2-0013	MME3P40P40P40P-00	DPX3NE-120M-33S-00
MIL-C-81659/37A2-0014	MME3P40S40S40S-00	
MIL-C-81659/37A2-0021	MME3P45P45P45P-00	
MIL-C-81659/37A2-0022	MME3P45S45S45S-00	DPX3NE-135M-33S-00
MIL-C-81659/37A2-0029	MME3P57P57P57P-00	DPX3NE-171M-33S-00
MIL-C-81659/37A2-0030	MME3P57S57S57S-00	
MIL-C-81659/37A2-0037	MME3P67P67P67P-00	
MIL-C-81659/37A2-0038	MME3P67S67S67S-00	DPX3NE-201M-33S-00
MIL-C-81659/37A2-0045	MME3P106P106P106P-00	DPX3NE-A318-33P-00
MIL-C-81659/37A2-0046	MME3P106S106S106S-00	
MIL-C-81659/37A2-0075	MME3P67P67P106S-00	
MIL-C-81659/37A2-0076	MME3P67S67S106P-00	DPX3NE-240M-33PS-00
MIL-C-81659/37A2-0079	MME3P67P106S67P-00	
MIL-C-81659/37A2-0080	MME3P67S106P67S-00	DPX3NE-A240M-33PS-00
MIL-C-81659/37A2-0091	MME3P106S106S67P-00	
MIL-C-81659/37A2-0092	MME3P106P106P67S-00	DPX3NE-279M-33PS-00
MIL-C-81659/39A2-0005	MME3R26P26P26P-00	DPX3NE-78M-34P-00
MIL-C-81659/39A2-0006	MME3R26S26S26S-00	
MIL-C-81659/39A2-0013	MME3R40P40P40P-00	DPX3NE-120M-34P-00
MIL-C-81659/39A2-0014	MME3R40S40S40S-00	
MIL-C-81659/39A2-0021	MME3R45P45P45P-00	DPX3NE-135M-34P-00
MIL-C-81659/39A2-0022	MME3R45S45S45S-00	
MIL-C-81659/39A2-0029	MME3R57P57P57P-00	DPX3NE-171M-34P-00
MIL-C-81659/39A2-0030	MME3R57S57S57S-00	
MIL-C-81659/39A2-0037	MME3R67P67P67P-00	DPX3NE-201M-34P-00
MIL-C-81659/39A2-0038	MME3R67S67S67S-00	
MIL-C-81659/39A2-0045	MME3R106P106P106P-00	
MIL-C-81659/39A2-0046	MME3R106S106S106S-00	DPX3NE-A318-34S-00
MIL-C-81659/39A2-0075	MME3R67P67P106S-00	DPX3NE-240M-34SP-00
MIL-C-81659/39A2-0076	MME3R67S67S106P-00	
MIL-C-81659/39A2-0079	MME3R67P106S67P-00	DPX3NE-A240M-34SP-00
MIL-C-81659/39A2-0080	MME3R67S106P67S-00	
MIL-C-81659/39A2-0091	MME3R106S106S67P-00	DPX3NE-279M-34SP-00
MIL-C-81659/39A2-0092	MME3R106P106P67S-00	
MIL-C-81659/41A2-0007	MME4P26P26P26P26P-00	
MIL-C-81659/41A2-0008	MME4P26S26S26S26S-00	DPX4NE-104M-33S-00
MIL-C-81659/41A2-0015	MME4P40P40P40P40P-00	
MIL-C-81659/41A2-0016	MME4P40S40S40S40S-00	DPX4NE-160M-33S-00
MIL-C-81659/41A2-0023	MME4P45P45P45P45P-00	
MIL-C-81659/41A2-0024	MME4P45S45S45S45S-00	DPX4NE-180M-33S-00
MIL-C-81659/41A2-0031	MME4P57P57P57P57P-00	
MIL-C-81659/41A2-0032	MME4P57S57S57S57S-00	DPX4NE-228M-33S-00

MIL-C-81659/41A2 Continued on page 4-66

Cross Reference (Continued)

REF MIL Designation	TE Commercial Equivalent	ITT Cannon Designation
MIL-C-81659/41A2-0039	MME4P67P67P67P67P-00	
MIL-C-81659/41A2-0040	MME4P67S67S67S67S-00	DPX4NE-268M-33S-00
MIL-C-81659/41A2-0047	MME4P106P106P106P106P-00	DPX4NE-A424-33S-00
MIL-C-81659/41A2-0048	MME4P106S106S106S106S-00	
MIL-C-81659/41A2-0061	MME4P26P26P26P26S-00	
MIL-C-81659/41A2-0062	MME4P26S26S26S26P-00	
MIL-C-81659/41A2-0101	MME4P106S106S67P67P-00	
MIL-C-81659/41A2-0102	MME4P106P106P67S67S-00	DPX4NE-346M-33PS-00
MIL-C-81659/43A2-0007	MME4R26P26P26P26P-00	DPX4NE-104M-34P-00
MIL-C-81659/43A2-0008	MME4R26S26S26S26S-00	
MIL-C-81659/43A2-0015	MME4R40P40P40P40P-00	DPX4NE-160M-34P-00
MIL-C-81659/43A2-0016	MME4R40S40S40S40S-00	
MIL-C-81659/43A2-0023	MME4R45P45P45P45P-00	DPX4NE-180M-34P-00
MIL-C-81659/43A2-0024	MME4R45S45S45S45S-00	
MIL-C-81659/43A2-0031	MME4R57P57P57P57P-00	DPX4NE-228M-34P-00
MIL-C-81659/43A2-0032	MME4R57S57S57S57S-00	
MIL-C-81659/43A2-0039	MME4R67P67P67P67P-00	DPX4NE-268M-34P-00
MIL-C-81659/43A2-0040	MME4R67S67S67S67S-00	
MIL-C-81659/43A2-0047	MME4R106P106P106P106P-00	
MIL-C-81659/43A2-0048	MME4R106S106S106S106S-00	DPX4NE-A42A-34P-00
MIL-C-81659/43A2-0061	MME4R26P26P26P26S-00	
MIL-C-81659/43A2-0062	MME4R26S26S26S26P-00	
MIL-C-81659/43A2-0101	MME4R106S106S67P67P-00	DPX4NE-346M-34SP-00
MIL-C-81659/43A2-0102	MME4R106P106P67S67S-00	
MIL-C-81659/61A2-0001	MM1R26P-00	DPXBNE-26M-34P-29
MIL-C-81659/61A2-0002	MM1R26S-00	
MIL-C-81659/61A2-0009	MM1R40P-00	DPXBNE-40M-34P-29
MIL-C-81659/61A2-0010	MM1R40S-00	
MIL-C-81659/61A2-0017	MM1R45P-00	DPXBNE-45M-34P-29
MIL-C-81659/61A2-0018	MM1R45S-00	
MIL-C-81659/61A2-0025	MM1R57P-00	DPXBNE-57M-34P-29
MIL-C-81659/61A2-0026	MM1R57S-00	
MIL-C-81659/61A2-0033	MM1R67P-00	DPXBNE-67M-34P-29
MIL-C-81659/61A2-0034	MM1R67S-00	
MIL-C-81659/61A2-0041	MM1R106P-00	
MIL-C-81659/61A2-0042	MM1R106S-00	DPXBNE-A106-34S-29
MIL-C-81659/61A2-0083	MM1RD8P-00	DPXBNE-D8M-34P-29
MIL-C-81659/61A2-0084	MM1RD8S-00	
MIL-C-81659/62A2-0003	MM2R26P26P-00	DPX2NE-26MP26MP-34B-29
MIL-C-81659/62A2-0004	MM2R26S26S-00	
MIL-C-81659/62A2-0011	MM2R40P40P-00	DPX2NE-40MP40MP-34B-29
MIL-C-81659/62A2-0012	MM2R40S40S-00	
MIL-C-81659/62A2-0019	MM2R45P45P-00	DPX2NE-45MP45MP-34B-29
MIL-C-81659/62A2-0020	MM2R45S45S-00	
MIL-C-81659/62A2-0027	MM2R57P57P-00	DPX2NE-57MP57MP-34B-29
MIL-C-81659/62A2-0028	MM2R57S57S-00	
MIL-C-81659/62A2-0035	MM2R67P67P-00	DPX2NE-67MP67MP-34B-29
MIL-C-81659/62A2-0036	MM2R67S67S-00	
MIL-C-81659/62A2-0043	MM2R106P106P-00	
MIL-C-81659/62A2-0044	MM2R106S106S-00	DPX2NE-A106SA106S-34B-29
MIL-C-81659/62A2-0057	MM2R106S26P-00	DPX2NE-A106S26MP-34B-29
MIL-C-81659/62A2-0058	MM2R106P26S-00	
MIL-C-81659/62A2-0059	MM2R26P106S-00	DPX2NE-26MPA106S-34B-29
MIL-C-81659/62A2-0060	MM2R26S106P-00	
MIL-C-81659/62A2-0071	MM2R67P106S-00	DPX2NE-67MPA106S-34B-29
MIL-C-81659/62A2-0072	MM2R67S106P-00	
MIL-C-81659/62A2-0089	MM2R106S67P-00	DPX2NE-A106S67MP-34B-29
MIL-C-81659/62A2-0090	MM2R106P67S-00	
MIL-C-81659/62A2-0133	MM2R57P106S-00	DPX2NE-57MPA106S-34B-29
MIL-C-81659/62A2-0134	MM2R57S106P-00	

MIL-C-81659/62A2 Continued on page 4-67

Cross Reference (Continued)

REF MIL Designation	TE Commercial Equivalent	ITT Cannon Designation
MIL-C-81659/62A2-0147	MM2R57P26P-00	DPX3NE-57MP26MP-34B-29
MIL-C-81659/62A2-0148	MM2R57S26S-00	
MIL-C-81659/63A2-0005	MM3R26P26P26P-00	DPX3NE-78M-34P-29
MIL-C-81659/63A2-0006	MM3R26S26S26S-00	
MIL-C-81659/63A2-0013	MM3R40P40P40P-00	DPX3NE-120M-34P-29
MIL-C-81659/63A2-0014	MM3R40S40S40S-00	
MIL-C-81659/63A2-0021	MM3R45P45P45P-00	DPX3NE-135M-34P-29
MIL-C-81659/63A2-0022	MM3R45S45S45S-00	
MIL-C-81659/63A2-0029	MM3R57P57P57P-00	DPX3NE-171M-34P-29
MIL-C-81659/63A2-0030	MM3R57S57S57S-00	
MIL-C-81659/63A2-0037	MM3R67P67P67P-00	DPX3NE-201M-34P-29
MIL-C-81659/63A2-0038	MM3R67S67S67S-00	
MIL-C-81659/63A2-0045	MM3R106P106P106P-00	
MIL-C-81659/63A2-0046	MM3R106S106S106S-00	DPX3NE-A318-34S-39
MIL-C-81659/63A2-0075	MM3R67P67P106S-00	DPX3NE-240M-34SP-29
MIL-C-81659/63A2-0076	MM3R67S67S106P-00	
MIL-C-81659/63A2-0079	MM3R67P106S67P-00	DPX3NE-A240M-34P-29
MIL-C-81659/63A2-0080	MM3R67S106P67S-00	
MIL-C-81659/63A2-0091	MM3R106S106S67P-00	DPX3NE-279M-34P-29
MIL-C-81659/63A2-0092	MM3R106P106P67S-00	
MIL-C-81659/64A2-0007	MM4R26P26P26P26P-00	DPX4NE-104M-34P-29
MIL-C-81659/64A2-0008	MM4R26S26S26S26S-00	
MIL-C-81659/64A2-0015	MM4R40P40P40P40P-00	DPX4NE-160M-34P-29
MIL-C-81659/64A2-0016	MM4R40S40S40S40S-00	
MIL-C-81659/64A2-0023	MM4R45P45P45P45P-00	DPX4NE-180M-34P-29
MIL-C-81659/64A2-0024	MM4R45S45S45S45S-00	
MIL-C-81659/64A2-0031	MM4R57P57P57P57P-00	DPX4NE-228M-34P-29
MIL-C-81659/64A2-0032	MM4R57S57S57S57S-00	
MIL-C-81659/64A2-0039	MM4R67P67P67P67P-00	DPX4NE-268M-34P-29
MIL-C-81659/64A2-0040	MM4R67S67S67S67S-00	
MIL-C-81659/64A2-0047	MM4R106P106P106P106P-00	
MIL-C-81659/64A2-0048	MM4R106S106S106S106S-00	DPX4NE-A424-34S-39
MIL-C-81659/64A2-0061	MM4R26P26P26P26S-00	
MIL-C-81659/64A2-0062	MM4R26S26S26S26P-00	
MIL-C-81659/64A2-0101	MM4R106S106S67P67P-00	DPX4NE-346M-34SP-29
MIL-C-81659/64A2-0102	MM4R106P106P67S67S-00	
MIL-C-81659/65A2-0001	M1P26P-00	
MIL-C-81659/65A2-0002	M1P26S-00	DPXBNA-26M-33S-00
MIL-C-81659/65A2-0009	M1P40P-00	
MIL-C-81659/65A2-0010	M1P40S-00	DPXBNA-49M-33S-00
MIL-C-81659/65A2-0017	M1P45P-00	
MIL-C-81659/65A2-0018	M1P45S-00	DPXBNA-45M-33S-00
MIL-C-81659/65A2-0025	M1P57P-00	
MIL-C-81659/65A2-0026	M1P57S-00	DPXBNA-57M-33S-00
MIL-C-81659/65A2-0033	M1P67P-00	
MIL-C-81659/65A2-0034	M1P67S-00	DPXBNA-67M-33S-00
MIL-C-81659/65A2-0041	M1P106P-00	DPXBNA-A106-33P-00
MIL-C-81659/65A2-0042	M1P106S-00	
MIL-C-81659/65A2-0083	M1PD8P-00	
MIL-C-81659/65A2-0084	M1PD8S-00	DPXBNA-D8M-33S-00
MIL-C-81659/66A2-0001	M1R26P-00	DPXBNA-26M-34P-00
MIL-C-81659/66A2-0002	M1R26S-00	
MIL-C-81659/66A2-0009	M1R40P-00	DPXBNA-40M-34P-00
MIL-C-81659/66A2-0010	M1R40S-00	
MIL-C-81659/66A2-0017	M1R45P-00	DPXBNA-45M-34P-00
MIL-C-81659/66A2-0018	M1R45S-00	
MIL-C-81659/66A2-0025	M1R57P-00	DPXBNA-57M-34P-00
MIL-C-81659/66A2-0026	M1R57S-00	
MIL-C-81659/66A2-0033	M1R67P-00	
MIL-C-81659/66A2-0034	M1R67S-00	

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REF MIL Designation	TE Commercial Equivalent	ITT Cannon Designation
MIL-C-81659/66A2-0041	M1R106P-00	
MIL-C-81659/66A2-0042	M1R106S-00	DPXBNA-A106-34S-00
MIL-C-81659/66A2-0083	M1RD8P-00	DPXBNA-D8M-34P-00
MIL-C-81659/66A2-0084	M1RD8S-00	
MIL-C-81659/67A2-0001	M1R26P-01	DPXBNA-26M-34P-01
MIL-C-81659/67A2-0002	M1R26S-01	
MIL-C-81659/67A2-0009	M1R40P-01	DPXBNA-40M-34P-01
MIL-C-81659/67A2-0010	M1R40S-01	
MIL-C-81659/67A2-0017	M1R45P-01	DPXBNA-45M-34P-01
MIL-C-81659/67A2-0018	M1R45S-01	
MIL-C-81659/67A2-0025	M1R57P-01	DPXBNA-57M-34P-01
MIL-C-81659/67A2-0026	M1R57S-01	
MIL-C-81659/67A2-0033	M1R67P-01	DPXBNA-67M-34P-01
MIL-C-81659/67A2-0034	M1R67S-01	
MIL-C-81659/67A2-0041	M1R106P-01	
MIL-C-81659/67A2-0042	M1R106S-01	DPXBNA-A106-34S-01
MIL-C-81659/67A2-0083	M1RD8P-01	DPXBNA-D8M-34P-01
MIL-C-81659/67A2-0084	M1RD8S-01	
MIL-C-81659/68A2-0001	M1R26P-23	DPXBNA-26M-34P-23
MIL-C-81659/68A2-0002	M1R26S-23	
MIL-C-81659/68A2-0009	M1R40P-23	DPXBNA-40M-34P-23
MIL-C-81659/68A2-0010	M1R40S-23	
MIL-C-81659/68A2-0017	M1R45P-23	DPXBNA-45M-34P-23
MIL-C-81659/68A2-0018	M1R45S-23	
MIL-C-81659/68A2-0025	M1R57P-23	DPXBNA-57M-34P-23
MIL-C-81659/68A2-0026	M1R57S-23	
MIL-C-81659/68A2-0033	M1R67P-23	DPXBNA-67M-34P-23
MIL-C-81659/68A2-0034	M1R67S-23	
MIL-C-81659/68A2-0041	M1R106P-23	
MIL-C-81659/68A2-0042	M1R106S-23	DPXBNA-A106-34S-23
MIL-C-81659/68A2-0083	M1RD8P-23	DPXBNA-D8M-34P-23
MIL-C-81659/68A2-0084	M1RD8S-23	
MIL-C-81659/69A2-0003	M2P26P26P-00	
MIL-C-81659/69A2-0004	M2P26S26S-00	DPX2NA-26MS26MS-33B-00
MIL-C-81659/69A2-0011	M2P40P40P-00	
MIL-C-81659/69A2-0012	M2P40S40S-00	DPX2NA-40MS40MS-33B-00
MIL-C-81659/69A2-0019	M2P45P45P-00	
MIL-C-81659/69A2-0020	M2P45S45S-00	DPX2NA-45MS45MS-33B-00
MIL-C-81659/69A2-0027	M2P57P57P-00	
MIL-C-81659/69A2-0028	M2P57S57S-00	DPX2NA-57MS57MS-33B-00
MIL-C-81659/69A2-0035	M2P67P67P-00	
MIL-C-81659/69A2-0036	M2P67S67S-00	DPX2NA-67MS67MS-33B-00
MIL-C-81659/69A2-0043	M2P106P106P-00	DPX2NA-A106PA106P-33B-00
MIL-C-81659/69A2-0044	M2P106S106S-00	
MIL-C-81659/69A2-0057	M2P106S26P-00	
MIL-C-81659/69A2-0058	M2P106P26S-00	DPX2NA-A106P26MS-33B-00
MIL-C-81659/69A2-0059	M2P26P106S-00	
MIL-C-81659/69A2-0060	M2P26S106P-00	DPX2NA-26MSA106P-33B-00
MIL-C-81659/69A2-0071	M2P67P106S-00	
MIL-C-81659/69A2-0072	M2P67S106P-00	DPX2NA-67MSA106P-33B-00
MIL-C-81659/69A2-0089	M2P106S67P-00	
MIL-C-81659/69A2-0090	M2P106P67S-00	DPX2NA-A106P67MS-33B-00
MIL-C-81659/69A2-0133	M2P57P106S-00	
MIL-C-81659/69A2-0134	M2P57S106P-00	DPX2NA-57MSA106P-33B-00
MIL-C-81659/69A2-0147	M2P57P26P-00	
MIL-C-81659/69A2-0148	M2P57S26S-00	DPX2NA-57MS26MS-33B-00
MIL-C-81659/70A2-0003	M2R26P26P-00	DPX2NA-26MP26MP-34B-00
MIL-C-81659/70A2-0004	M2R26S26S-00	
MIL-C-81659/70A2-0011	M2R40P40P-00	DPX2NA-40MP40MP-34B-00
MIL-C-81659/70A2-0012	M2R40S40S-00	

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REF MIL Designation	TE Commercial Equivalent	ITT Cannon Designation
MIL-C-81659/70A2-0019	M2R45P45P-00	DPX2NA-45MP45MP-34B-00
MIL-C-81659/70A2-0020	M2R45S45S-00	
MIL-C-81659/70A2-0027	M2R57P57P-00	DPX2NA-57MP57MP-34B-00
MIL-C-81659/70A2-0028	M2R57S57S-00	
MIL-C-81659/70A2-0035	M2R67P67P-00	DPX2NA-67MP67MP-34B-00
MIL-C-81659/70A2-0036	M2R67S67S-00	
MIL-C-81659/70A2-0043	M2R106P106P-00	
MIL-C-81659/70A2-0044	M2R106S106S-00	DPX2NA-A106SA106S-34B-00
MIL-C-81659/70A2-0057	M2R106S26P-00	DPX2NA-A106S26MP-34B-00
MIL-C-81659/70A2-0058	M2R106P26S-00	
MIL-C-81659/70A2-0059	M2R26P106S-00	DPX2NA-26MPA106S-34B-00
MIL-C-81659/70A2-0060	M2R26S106P-00	
MIL-C-81659/70A2-0071	M2R67P106S-00	DPX2NA-67MPA106S-34B-00
MIL-C-81659/70A2-0072	M2R67S106P-00	
MIL-C-81659/70A2-0089	M2R106S67P-00	DPX2NA-A106S67MP-34B-00
MIL-C-81659/70A2-0090	M2R106P67S-00	
MIL-C-81659/70A2-0133	M2R57P106S-00	DPX2NA-57MPA106A-34B-00
MIL-C-81659/70A2-0134	M2R57S106P-00	
MIL-C-81659/70A2-0147	M2R57P26P-00	DPX2NA-57MP26MP-34B-00
MIL-C-81659/70A2-0148	M2R57S26S-00	
MIL-C-81659/71A2-0003	M2R26P26P-01	DPX2NA-26MP26MP-34B-01
MIL-C-81659/71A2-0004	M2R26S26S-01	
MIL-C-81659/71A2-0011	M2R40P40P-01	DPX2NA-40MP40MP-34B-01
MIL-C-81659/71A2-0012	M2R40S40S-01	
MIL-C-81659/71A2-0019	M2R45P45P-01	DPX2NA-45MP45MP-34B-01
MIL-C-81659/71A2-0020	M2R45S45S-01	
MIL-C-81659/71A2-0027	M2R57P57P-01	DPX2NA-57MP57MP-34B-01
MIL-C-81659/71A2-0028	M2R57S57S-01	
MIL-C-81659/71A2-0035	M2R67P67P-01	DPX2NA-67MP67MP-34B-01
MIL-C-81659/71A2-0036	M2R67S67S-01	
MIL-C-81659/71A2-0043	M2R106P106P-01	
MIL-C-81659/71A2-0044	M2R106S106S-01	DPX2NA-A106SA106A-34B-01
MIL-C-81659/71A2-0057	M2R106S26P-01	DPX2NA-A106S26MP-34B-01
MIL-C-81659/71A2-0058	M2R106P26S-01	
MIL-C-81659/71A2-0059	M2R26P106S-01	DPX2NA-26MPA106S-34B-01
MIL-C-81659/71A2-0060	M2R26S106P-01	
MIL-C-81659/71A2-0071	M2R67P106S-01	DPX2NA-67MPA106S-34B-01
MIL-C-81659/71A2-0072	M2R67S106P-01	
MIL-C-81659/71A2-0089	M2R106S67P-01	DPX2NA-A106S67MP-34B-01
MIL-C-81659/71A2-0090	M2R106P67S-01	
MIL-C-81659/71A2-0133	M2R57P106S-01	DPX2NA-57MPA106A-34B-01
MIL-C-81659/71A2-0134	M2R57S106P-01	
MIL-C-81659/71A2-0147	M2R57P26P-01	DPX2NA-57MP26MP-34B-01
MIL-C-81659/71A2-0148	M2R57S26S-01	
MIL-C-81659/72A2-0003	M2R26P26P-23	DPX2NA-26MP26MP-34B-23
MIL-C-81659/72A2-0004	M2R26S26S-23	
MIL-C-81659/72A2-0011	M2R40P40P-23	DPX2NA-40MP40MP-34B-23
MIL-C-81659/72A2-0012	M2R40S40S-23	
MIL-C-81659/72A2-0019	M2R45P45P-23	DPX2NA-45MP45MP-34B-23
MIL-C-81659/72A2-0020	M2R45S45S-23	
MIL-C-81659/72A2-0027	M2R57P57P-23	DPX2NA-57MP57MP-34B-23
MIL-C-81659/72A2-0028	M2R57S57S-23	
MIL-C-81659/72A2-0035	M2R67P67P-23	DPX2NA-67MP67MP-34B-23
MIL-C-81659/72A2-0036	M2R67S67S-23	
MIL-C-81659/72A2-0043	M2R106P106P-23	
MIL-C-81659/72A2-0044	M2R106S106S-23	DPX2NA-A106SA106S-34B-23
MIL-C-81659/72A2-0057	M2R106S26P-23	DPX2NA-A106S26MP-34B-23
MIL-C-81659/72A2-0058	M2R106P26S-23	
MIL-C-81659/72A2-0059	M2R26P106S-23	DPX2NA-26MPA106S-34B-23
MIL-C-81659/72A2-0060	M2R26S106P-23	

MIL-C-81659/72A2 Continued on page 4-70

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REF MIL Designation	TE Commercial Equivalent	ITT Cannon Designation
MIL-C-81659/72A2-0071	M2R67P106S-23	DPX2NA-67MPA106S-34B-23
MIL-C-81659/72A2-0072	M2R67S106P-23	
MIL-C-81659/72A2-0089	M2R106S67P-23	DPX2NA-A106S67MP-34B-23
MIL-C-81659/72A2-0090	M2R106P67S-23	
MIL-C-81659/72A2-0133	M2R57P106S-23	DPX2NA-57MPA106A-34B-23
MIL-C-81659/72A2-0134	M2R57S106P-23	
MIL-C-81659/72A2-0147	M2R57P26P-23	DPX2NA-57MP26MP-34B-23
MIL-C-81659/72A2-0148	M2R57S26S-23	