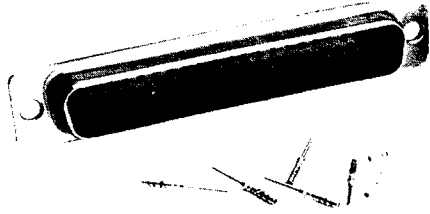
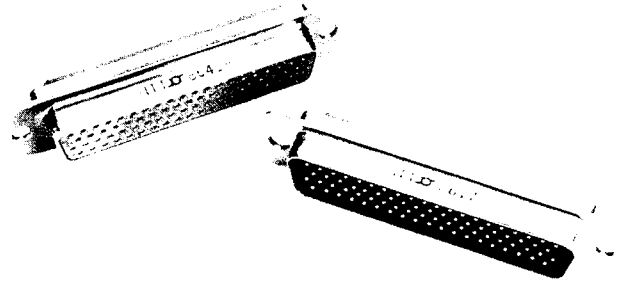


Crimp



(See page 342)

Printed Circuit



(See page 343)

Performance and Material Specifications

MATERIALS AND FINISHES

	Standard		Military	
	Material	Finish	Material	Finish
Shell	Steel per ASTM A-620	Yellow chromate over cadmium QQ-P-416 Type II Class 2	Steel per ASTM A-620	Yellow chromate over cadmium QQ-P-416 Type II Class 2
Insulator	Diallyl phthalate glass-filled per MIL-M-14, type SDG-F, color green	—	Diallyl phthalate glass-filled per MIL-M-14, type SDG-F, color green	—
Contact	Copper alloy	Gold over nickel	Copper alloy Crimp socket has stainless steel hood	Gold 50 microns minimum thickness per MIL-G-45204 Type II Grade C Class 1 over copper per MIL-C-14550 Hood: Passivated
Float Mount Hardware	Stainless steel	Passivate per QQ-P-35	Stainless steel	Passivate per QQ-P-35

PERFORMANCE SPECIFICATIONS

Wire Accommodation (AWG)	Crimp - #22-#28 AWG
Current Rating	#22: 5 Amp
Temperature Rating	-65°C to +150°C
Contact Resistance After Salt Spray, Millivolt Max.	55 @ 5 Amp test current

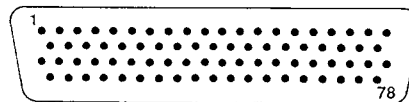
DIELECTRIC WITHSTANDING VOLTAGE

Test	90° and Straight (Solder/Crimp)		
	Sea Level	Altitude (feet/m)	
	1000	70,000/21,336	100,000
		325	175

All voltage figures are rms AC 60 rms cps, measured at approximately +25°C, 50% rh. For additional performance specifications refer to MIL C-24308 Test Extracts on page 385.

Contact Arrangements

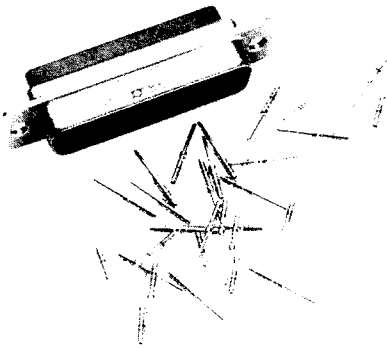
Face View Pin Insert



Shell Size
Contact Arrangement
Contact Size

D
78
#22

How to Order — Crimp Connectors



Receptacles (Includes Socket Contacts) With .120" Through-Mounting Holes

Number of Contacts (Shell Size)	Standard Version	Military Version
78 (D)	DDMA78S	DDMAM78S

Plugs (Includes Pin Contacts)* With .120" Through Mounting Holes

Number of Contacts (Shell Size)	Standard Version	Military Version
78 (D)	DDMA78P	DDMAM78P

Note: 1) To receive the connector without contacts, add "FO" to end of part number.

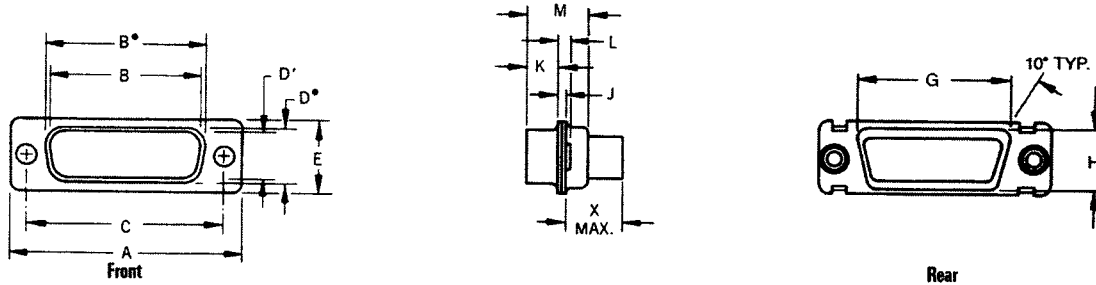
Example: DBMA25SFO, DBMAM25SFO.

2) For loose contacts and tooling see page 5.

Mounting Options Available:

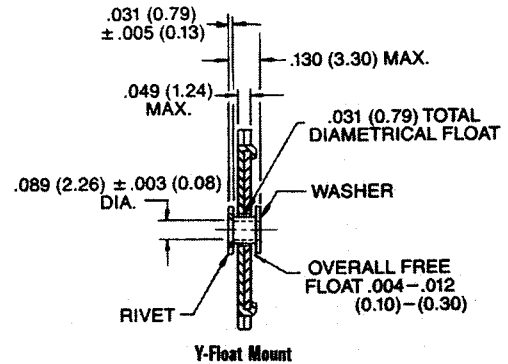
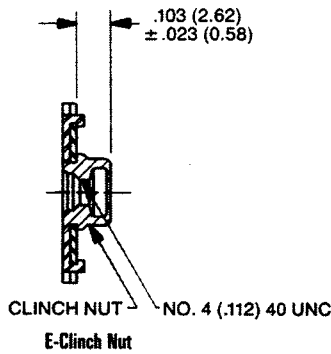
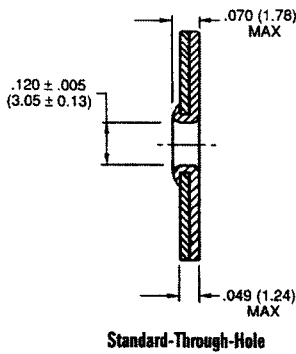
- 4-40 Clinch Nut — Add "E" to Part Number After "M" or "A"
 - 4-40 Float Mount — Add "Y" to Part Number After "M" or "A"
- (Can be used in front or rear panel mount applications)

Dimensions — Crimp Connectors



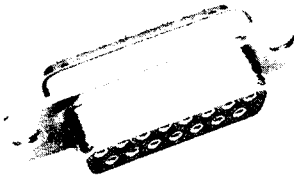
Part Number by Shell Size	A	B	B'	C	D	D'	E	G	H	J	K	L	M	X Max
DDM78P	±.015 (0.38)	±.010 (0.25)	±.005 (0.13)	±.005 (0.13)	±.005 (0.13)	±.010 (0.25)	±.015 (0.38)	±.010 (0.25)	±.010 (0.25)	±.010 (0.25)	±.006 (0.25)	±.013 (0.33)	±.010 (0.25)	
DDM78S	2.635 (66.92)	2.064 (52.43)	—	2.406 (61.11)	.423 (10.41)	—	.605 (15.37)	2.178 (55.32)	.534 (13.56)	.039 (0.99)	.231 (5.87)	.060 (1.52)	.426 (10.82)	.345 (8.76)

Mounting Option Dimensions

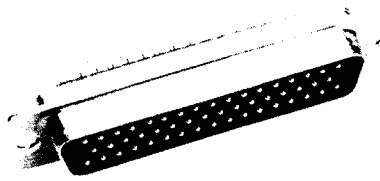


It is recommended that only one assembly, either pin or socket, be float mounted.

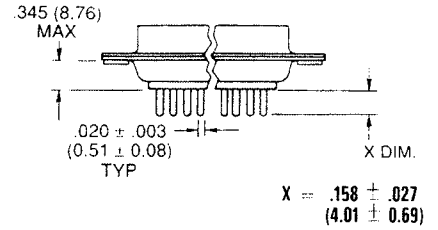
High Rel Printed Circuit Mount Connectors – Straight PC Tail



Receptacle



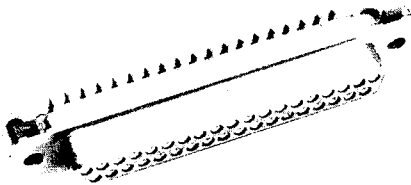
Plug



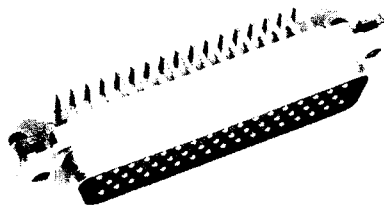
With .120 (3.15) Through-Mounting Holes

Number Contacts (Shell Size)		Receptacle	<i>NM</i> Non-Magnetic Receptacle	Plug	<i>NM</i> Non-Magnetic Plug
78 (D)	Standard	DDMA50913-499	—	DDMA50913-500	—
78 (D)	Military	DDMA50913-439	DDMA50913-445	DDMA50913-440	DDMA50913-446

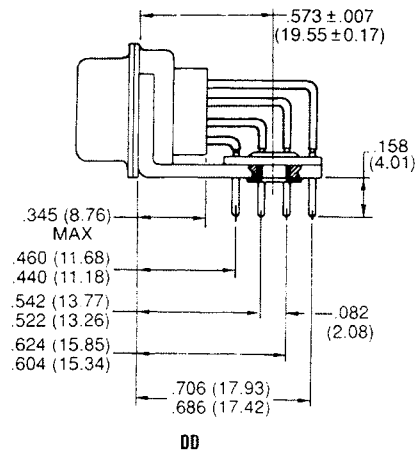
High Rel 90° PCB Connectors



Receptacle



Plug



Connectors with brackets cannot be ordered with float mounts or clinch nuts.

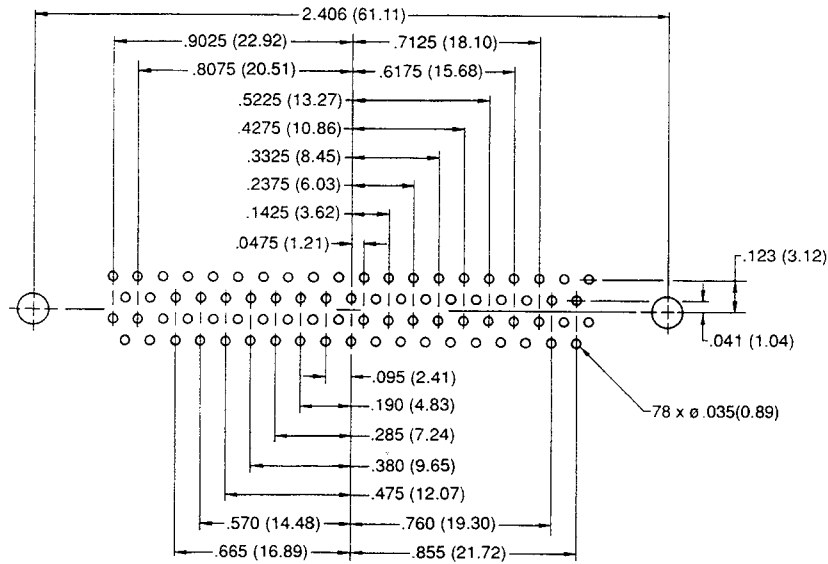
Number Contacts (Shell Size)		Receptacle	<i>NM</i> Non-Magnetic Receptacle	Plug	<i>NM</i> Non-Magnetic Plug
78 (D)	Standard	DDMA50913-467	—	DDMA50913-468	—
78 (D)	Military	DDMA50913-437	DDMA50913-473	DDMA50913-438	DDMA50913-474

High Rel Crimp Contacts

Contact Size	Wire Size Accommodation	M39029		M24308*		Cannon Part Number	
		Pin	Socket	Pin	Socket	Pin	Socket
22D Pin	22, 24, 26, 28	/58-360	/13-1	030-2042-000	—	—	—
22D Socket	22, 24, 26, 28	/57-354	/12-1	—	031-1147-000	—	—

* Superseded by M39029

Straight and 90° Board Hole Patterns



Tooling

Hand Tools

Contact Size	AWG	Plastic Insertion/Extraction	Crimp Tool	Locator
22D	22, 24, 26, 28	274-7048-000 CIET-22D	995-0001-584 M22520/2-01	995-0001-739 M22520/2-06

D Subminiature Connectors