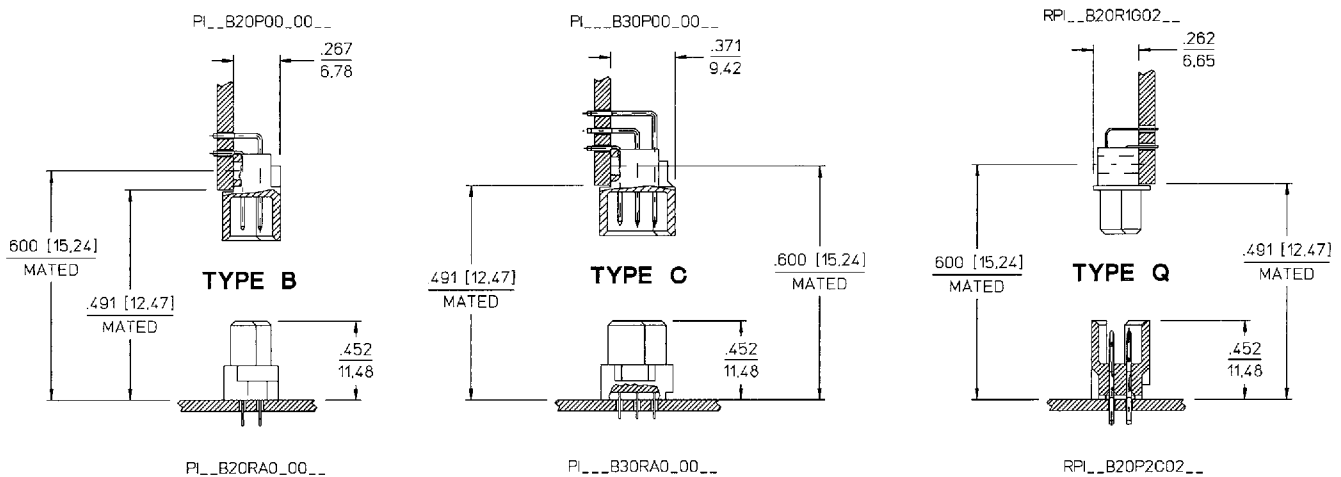




Basic Mating Dimensions And General Specifications

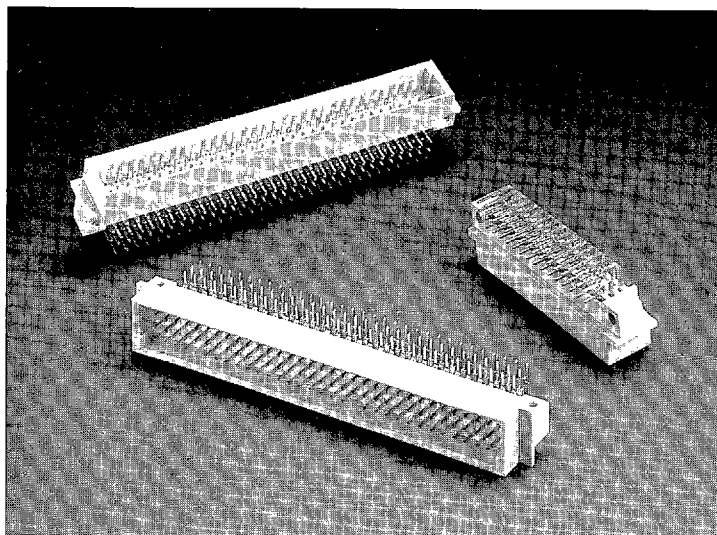


	TYPE B	TYPE C, M	TYPE Q
CATALOG PAGE	20, 22	8, 10, 28, 30	24, 26
NUMBER OF POSITIONS (Max)	32, 64	48, 96, 120, 150 (Type C) 42, 60, 78 (Type M)	32, 64
CONTACT GRID SPACING	.100 X .100 (2,54 X 2,54)		
MINIMUM MOUNTING* CENTER DISTANCE	.400 (10,2)	.500 (12,7)	.400 (10,2)
CURRENT RATING	1.5 AMP (3 AMP MAX.) PER CONTACT PAIR (SEE PAGE 7)		
VOLTAGE RATING	250 VAC		
DIELECTRIC RATING	1550 VAC		
CONTACT RESISTANCE	10 MILLIOHM INITIAL -- AFTER TESTING 20 MILLIOHM MAX		
INSULATION RESISTANCE	10 ⁶ MEGOHMS		
TEMPERATURE RATING	-67°F (- 55°C) TO 257°F (125° C)		
DURABILITY	400 CYCLES		
MATING FORCE	LESS THAN 3.4 OZ. (0,94 N) PER CONTACT		
UNMATING FORCE	.68 OZ. (0,19 N) MIN. PER CONTACT AFTER THREE MATING CYCLES		

* The mounting hole center space of minimum adjacent rack mounted connectors.

DIN Connectors

Standard Right Angle Plug Type C, 1/2 C, Expanded



MATERIAL AND PLATING

- HOUSING: Light Gray Thermoplastic UL94 V-0
- CONTACTS: Copper alloy
- PLATING: N9 - .000030 (.00076) gold in contact area, tin lead on tails with .000050 (.00127) nickel underplate all over
Z1 - .000016 (.00041) gold in contact area, tin lead on tails with .000050 (.00127) nickel underplate all over

PERFORMANCE CHARACTERISTICS

- MATING AND GENERAL SPECIFICATIONS: PAGE 4
- DE-RATING CURVE: PAGE 7



The three row PI Series Right Angle Plug has been designed to conform to the dimensional requirements of DIN 41612 Style C, 1/2 C, IEC 603-2, VG95324 and MIL-C-55302. This .100" (2,54 mm) grid connector is available in a three-row contact arrangement from 48 to 150 positions.

How to order

Series	PI	96	B	3	0	P	00	F	00	Z1
Number of Contact Positions	48, 96, 120, 150									
.100 Spacing										
Features	3 = 3 Row Housing 8 = 3 Row Housing With Retention Clip*									
Contact Arrangement	0 = Rows A, B, C Fully Loaded 2 = Rows A, C Fully Loaded									
Plug										
Body Variation	00 = Standard Variation									
Contact Tail Length	F = .114" (2,90 mm)									
Design Variation	00 = Standard Variation									
Plating	Z1 = 16 µin (.41 microns) Gold min. N9 = 30 µin (.76 microns) Gold min.									

* Consult factory for availability

[illegible]

NUMBER OF POSITIONS	ROWS LOADED	CONTACT PLATING (µin GOLD)	PART NUMBERS	DIMENSIONS			
			TAIL LENGTH	A (MAX)	B ±.004 / ± 0,1	C	D
			.114 (2,90)				
48	A, B, C	30	PI48B30P00F00N9				
	A, B, C	16	• PI48B30P00F00Z1	<u>2.100</u>	<u>1.900</u>	<u>1.758</u>	<u>1.500</u>
	A, C	30	PI48B32P00F00N9	53,34	48,26	44,58	38,10
	A, C	16	• PI48B32P00F00Z1				
96	A, B, C	30	PI96B30P00F00N9				
	A, B, C	16	• PI96B30P00F00Z1	<u>3.700</u>	<u>3.500</u>	<u>3.358</u>	<u>3.100</u>
	A, C	30	PI96B32P00F00N9	94,00	88,90	85,29	78,74
	A, C	16	• PI96B32P00F00Z1				
120	A, B, C	30	PI120B30P00F00N9	<u>4.536</u>	<u>4.300</u>	<u>4.158</u>	<u>3.900</u>
	A, B, C	16	• PI120B30P00F00Z1	115,20	109,22	105,61	99,06
150	A, B, C	30	PI150B30P00F00N9	<u>5.536</u>	<u>5.300</u>	<u>5.158</u>	<u>4.900</u>
	A, B, C	16	• PI150B30P00F00Z1	140,61	134,62	131,01	124,46

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