

PRODUCT DESCRIPTION

PCB Solder Transition Connectors provide fast, permanent termination of flat cable to printed circuit boards. The PCB Standard 4 Row and 2 Row Connectors can be soldered to the board either before or after crimping the cable.

DESIGN ADVANTAGES

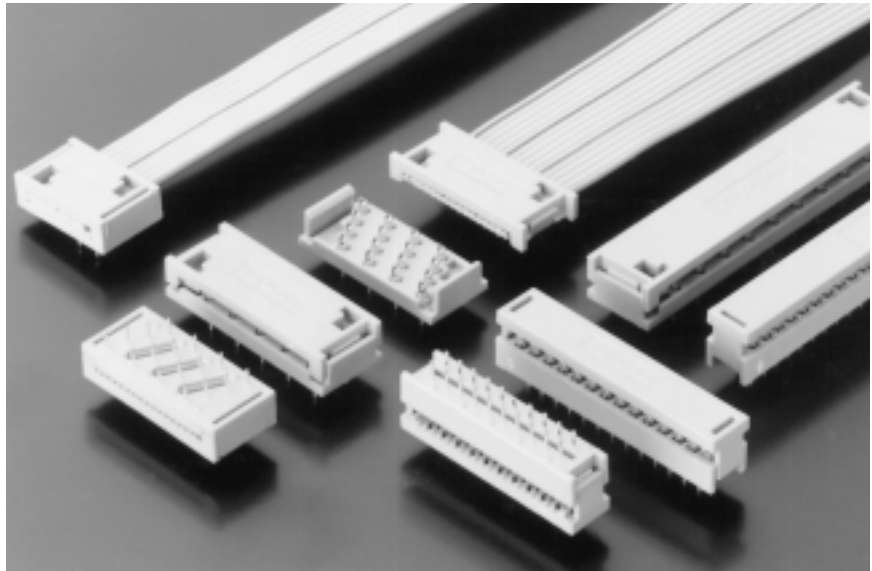
4 ROW

- 11 contact sizes—10, 14, 16, 20, 26, 34, 40, 44, 50, 56, and 60 positions.
- Available in solder tail lengths for 1.57 mm (.062") or 3.18 mm (.125") board thickness.
- Diagonal pin pattern.

2 ROW

- Contact Material—Beryllium copper with tin/lead over 50 µ inches min. nickel plating.
- 16 contact sizes—4, 6, 8, 10, 14, 16, 20, 24, 26, 30, 34, 36, 40, 44, 50 and 60 positions.
- Available in solder tail lengths for 1.57 mm (.062") or 3.18 mm (.125") board thickness.
- Narrow design maximizes packaging density—designed to fit into a standard 2.54 mm x 2.54 mm (.100" x.100") male header grid pattern.

PCB SOLDER TRANSITION CONNECTORS, 4 ROW AND 2 ROW



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Standard 4 row PCB connector	51
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STANDARD 4 ROW PCB SOLDER TRANSITION CONNECTORS



PHYSICAL PROPERTIES

INSULATION MATERIAL: Glass filled thermoplastic
rated UL 94V-0
COLOR: Blue
CONTACTS: Beryllium copper; tin/lead over
50μ inches nickel

ELECTRICAL PROPERTIES

CURRENT RATING: 1 Amp
INSULATION RESISTANCE: $>1 \times 10^9$ Ohms
DIELECTRIC STRENGTH: >1000 VRMS at sea level

ENVIRONMENTAL PROPERTIES

TEMPERATURE RATING: -55°C TO 125°C

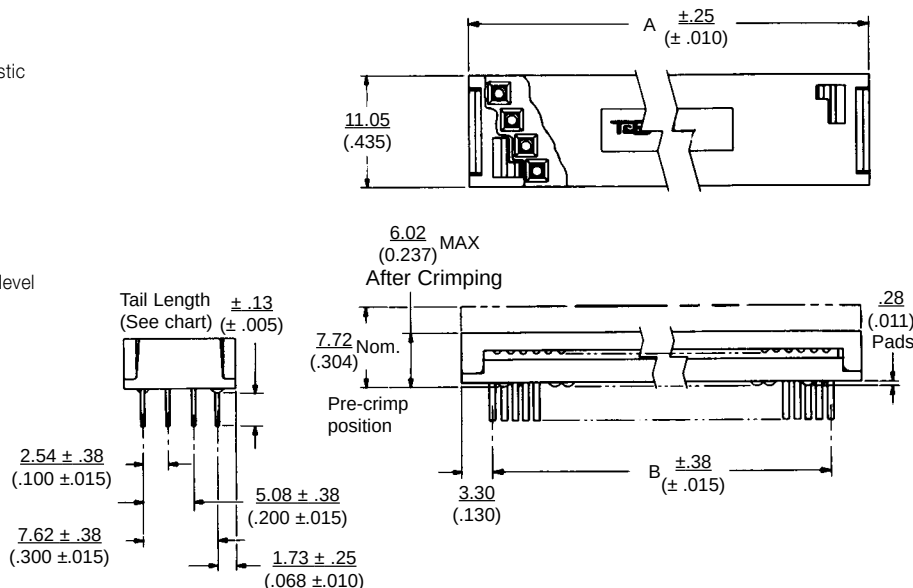
APPLICATION TOOLING

HAND TOOL 779-2100
use Die 779-2152
BENCH PRESS (MANUAL) 779-3200
BENCH PRESS (PNEUMATIC) 779-3500XT
use Platen 779-3130
use Base Plate 779-3152

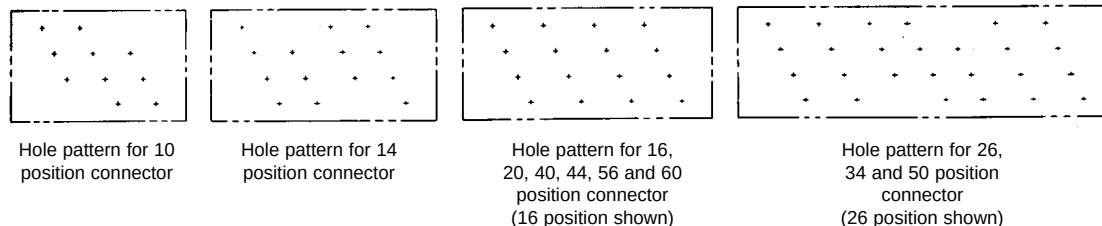
For installation after the connector has
been soldered to the circuit board use:
PLATEN 779-3132
BASE PLATE 779-3154

CABLE

See pages 116-128



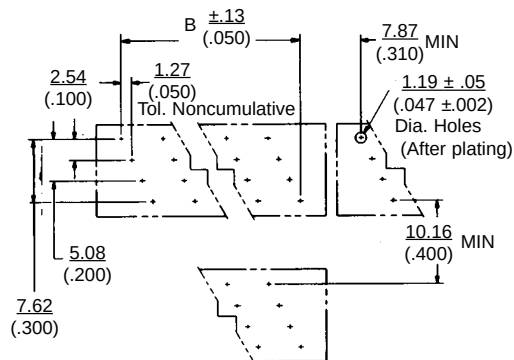
Recommended P.C. Board Pattern



Ordering Information

CATALOG NUMBERS		NO. OF POS.	DIMENSIONS IN MM (INCHES)	
SOLDER TAIL LENGTH			A	B
2.54 (.100)	3.96 (.156)			
PCB THICKNESS				
1.57 (.062)	3.18 (.125)			
609-1003	609-1043	10	18.03 (.710)	11.43 (.450)
609-1403	609-1443	14	23.11 (.910)	16.51 (.650)
609-1603	609-1643	16	25.65 (1.010)	19.05 (.750)
609-2003	609-2043	20	30.73 (1.210)	24.13 (.950)
609-2603	609-2643	26	38.35 (1.510)	31.75 (1.250)
609-3403	609-3443	34	48.51 (1.910)	41.91 (1.650)
609-4003	609-4043	40	56.13 (2.210)	49.53 (1.950)
609-4403	609-4443	44	61.21 (2.410)	54.61 (2.150)
609-5003	609-5043	50	68.83 (2.710)	62.23 (2.450)
609-5603	609-5643	56	76.45 (3.010)	69.85 (2.750)
609-6003	609-6043	60	81.53 (3.210)	74.93 (2.950)

Recommended P.C. Board Pattern



2 ROW PCB SOLDER TRANSITION CONNECTORS



PHYSICAL PROPERTIES

INSULATION MATERIAL: Glass filled thermoplastic
rated UL 94V-0
COLOR: Blue
CONTACTS: Beryllium copper; tin/lead over
50μ inches nickel

ELECTRICAL PROPERTIES

CURRENT RATING: 1 Amp
INSULATION RESISTANCE: $>1 \times 10^9$ Ohms
DIELECTRIC STRENGTH: >1000 VRMS at sea level

ENVIRONMENTAL PROPERTIES

TEMPERATURE RATING: -55°C TO 125°C

APPLICATION TOOLING

HAND TOOL 779-2100
use Die 779-2153
BENCH PRESS (MANUAL) 779-3200
BENCH PRESS (PNEUMATIC) 779-3500XT
use Platen 779-3133
use Base Plate (2 Row) 779-3153

For installation after the connector has
been soldered to the circuit board use:

PLATEN 779-3132
BASE PLATE 779-3154

CABLE

See pages 116-128

622 - XX 53

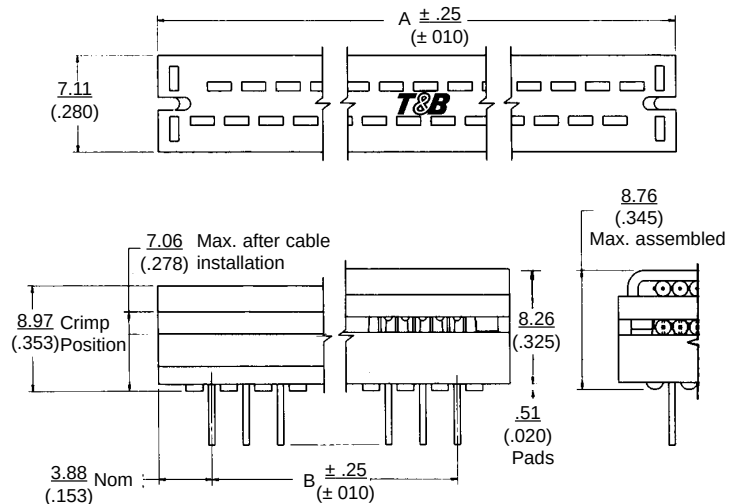
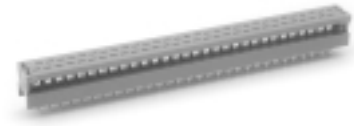
of Positions

R (PCB Retention on 4 corners)
RT (PCB Retention on all pins)

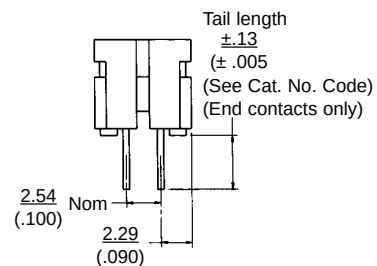
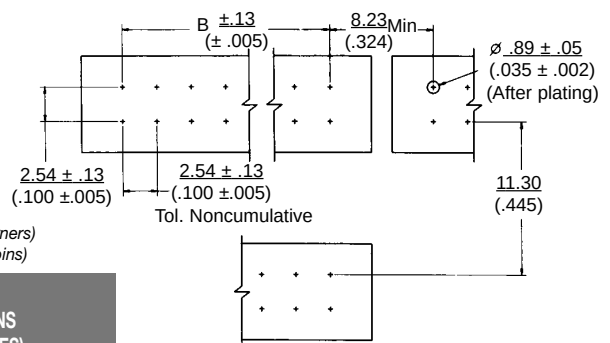
Ordering Information

CATALOG NUMBERS		STRAIN RELIEF	NO. OF POS.	DIMENSIONS IN MM (INCHES)	
SOLDER TAIL LENGTH				A	B
2.54 (1.00)	3.96 (.156)				
PCB THICKNESS					
1.57 (.062)	3.18 (.125)				
622-0453	622-0463	622-0433	4	10.31 (.406)	2.54 (.100)
622-0653	622-0663	622-0633	6	12.85 (.506)	5.08 (.200)
622-0853	622-0863	622-0833	8	15.39 (.606)	7.62 (.300)
622-1053	622-1063	622-1033	10	17.93 (.706)	10.16 (.400)
622-1453	622-1463	622-1433	14	23.01 (.906)	15.24 (.600)
622-1653	622-1663	622-1633	16	25.55 (1.006)	17.78 (.700)
622-2053	622-2063	622-2033	20	30.63 (1.206)	22.86 (.900)
622-2453	622-2463	622-2433	24	35.71 (1.406)	27.94 (1.100)
622-2653	622-2663	622-2633	26	38.25 (1.506)	30.48 (1.200)
622-3053	622-3063	622-3033	30	43.33 (1.706)	35.56 (1.400)
622-3453	622-3463	622-3433	34	48.41 (1.906)	40.64 (1.600)
622-3653	622-3663	622-3633	36	50.95 (2.006)	43.18 (1.700)
622-4053	622-4063	622-4033	40	56.03 (2.206)	48.26 (1.900)
622-4453	622-4463	622-4433	44	61.11 (2.406)	53.34 (2.100)
622-5053	622-5063	622-5033	50	68.73 (2.706)	60.96 (2.400)
622-6053	622-6063	622-6033	60	81.43 (3.206)	73.66 (2.900)

NOTE: For retention feature add suffix R to part number



Recommended P.C. Board Pattern



Retention Feature

