

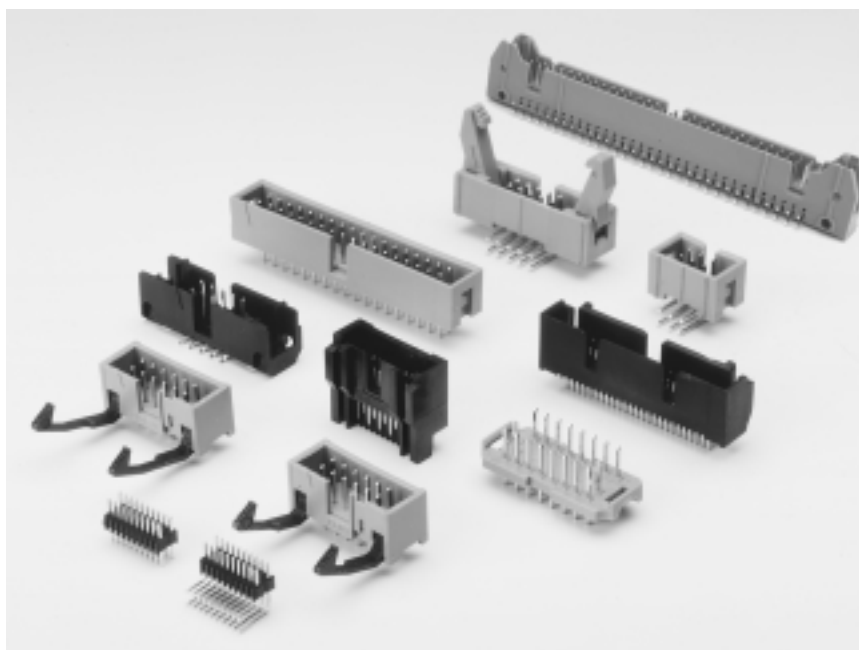
PRODUCT DESCRIPTION

PCB Male Headers provide reliability, convenience and positive polarization when mated with Female Socket Transition Connectors in PC board applications which require repeated connection and disconnection. Optional retainer-ejector latches easily disengage the header and female socket, eliminating stress in the cable termination and solder joint areas during disconnect.

DESIGN ADVANTAGES

- Industry standard polarization mates with center bump as well as dual slot polarized female socket connectors.
- Available in .050 x .100, .100 x .100, .100 x .200 and .100 x .300 center spacing.
- Available in standard, low profile, vertical eject, compliant pin and surface mount configurations.
- Available in high temperature materials.

HEADERS



HEADER INDEX

.050" x .100" 2-Row Straight Tail	18
.050" x .100" 2-Row Right Angle Tails	20
.050" x .100" 4-Row Right Angle Tails	22
.050" x .100" 2-Row Unshrouded Header, Straight	24
.050" x .100" 2-Row Unshrouded Header, Right Angle	25
.100" x .100" Straight Standard Header.....	26
.100" x .100" Right Angle Standard Header.....	27
.100" x .100" High Temp. Straight Standard Header	28
.100" x .100" High Temp. Right Angle Standard Header	29
.100" x .100" Low Profile Straight w/ejectors	30
.100" x .100" Low Profile Right Angle w/ejectors	31
.100" x .100" Low Profile Straight	32
.100" x .100" Low Profile Right Angle	33
.100" x .100" Low Profile Straight, High Temp.	34
.100" x .100" Low Profile Right Angle, High Temp.	35
.100" x .100" Low Profile Straight w/latches	36
.100" x .100" Low Profile Right Angle w/latches	37
.100" x .100" Flex-Fit™ with Retainer/Ejector	38
.100" x .100" Flex-Fit™ Low Profile	39
.100" x .100" Surface Mount	40
Pin Strip Headers, Single Row Straight	41
Pin Strip Headers, Single Row Right Angle	42
Pin Strip Headers, Dual Row Straight	43
Pin Strip Headers, Dual Row Right Angle	44
Dip Socket Headers, 14 and 16 Positions	45
Accessories.....	46

DIP SOCKET HEADERS 14 AND 16 POSITION

.100" x .200" CENTERS

.100" x .300" CENTERS



LR92984 E60980

PHYSICAL PROPERTIES

INSULATION MATERIAL: Glass filled thermoplastic rated UL 94V-0

COLOR: Blue

CONTACT MATERIAL: Phosphor Bronze, 30μ inches min. gold over 50μ inches min. nickel in contact zone; tin/lead over nickel in termination area.

ELECTRICAL PROPERTIES

CURRENT RATING: 1 Amp

INSULATION RESISTANCE: $>1 \times 10^9$ Ohms @ 500 VDC

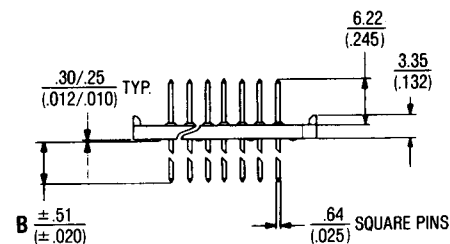
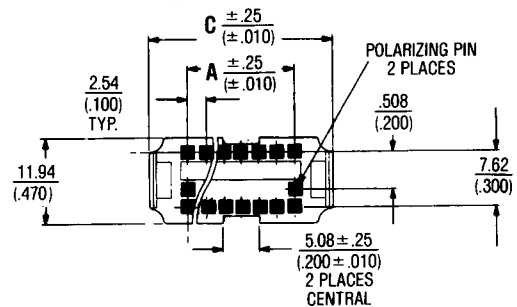
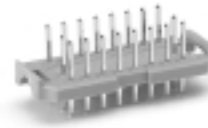
DIELECTRIC STRENGTH: >1000 VRMS @ sea level

ENVIRONMENTAL PROPERTIES

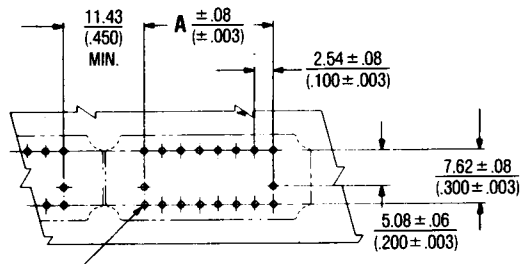
TEMPERATURE RATING: -55°C TO 125°C

MATING CONNECTORS

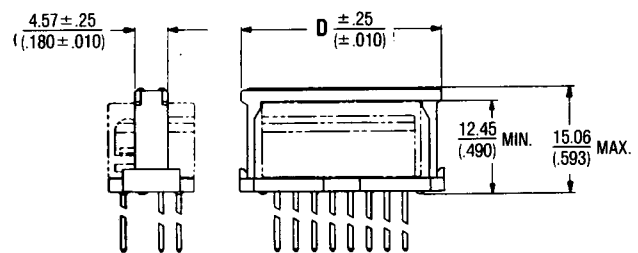
FEMALE SOCKETS: See page 14



RECOMMENDED HOLE PATTERN



HOLE DIAMETER AFTER PLATING	CATALOG NUMBER USED FOR
.89 ± .08 (.035 ± .003)	609-1478, 609-1488 609-1678, 609-1688
.97 ⁺⁰⁸ _{-.05} (.038 ^{-.003} _{-.002})	609-1498, 609-1698



INSULATOR WITH RETAINER CLIP AND
CONNECTOR (IN PHANTOM) INSTALLED

Ordering Information

CATALOG NUMBER	NO. OF POS.	DIMENSIONS IN MM (INCHES)				FOR USE WITH
		A	B	C	D	
609-1478	14	15.24 (.600)	3.05 (.120)	26.06 (1.026)	25.25 (.994)	1.57 (.062) Thick PCB
609-1498	14	15.24 (.600)	4.57 (.180)	26.06 (1.026)	25.25 (.994)	3.18 (.125) Thick PCB
609-1488	14	15.24 (.600)	16.26 (.640)	26.06 (1.026)	25.25 (.994)	Wrap Post Tails (3 level)
609-1678	16	17.78 (.700)	3.05 (.120)	28.60 (1.126)	27.79 (1.094)	1.57 (.062) Thick PCB
609-1688	16	17.78 (.700)	4.57 (.180)	28.60 (1.126)	27.79 (1.094)	3.18 (.125) Thick PCB
609-1698	16	17.78 (.700)	16.26 (.640)	28.60 (1.126)	27.79 (1.094)	Wrap Post Tails (3 level)