

3 Row HDI Male Vertical



Specifications

Insulator Material: Glass filled polyester, type PBT,
94 V-O, UL Rated.

Contact Material: Copper Alloy

Contact Plating: Gold and/or Tin over .000050" Nickel,
(See Contact Plating Options).

Current Range at
Ambient Temp. Of +20C = 3 amp
 +70C = 2 amp
 +100C = 1 amp

Contact Resistance:
≤ 20m Ω

Insulation Resistance:
≥ 10¹² m Ω at 100 VDC

Dielectric Strength:
≤ 1000 VDC

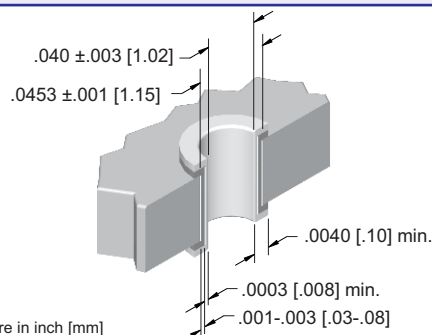
Compliant Section Insertion Force:
40 lbs max per contact

Compliant Section Withdrawal Force:
10 lbs min. per contact

Recommended Board Thickness:
.093"+

Operating Temperature:
-65°C to +125C

Recommended Hole Size



Drilled Hole Diameter	Plating Thickness	Hole Diameter	Pad Diameter
.0453±.001 [1.15]	Copper .001-.003 [.03-.08]	After Plating .040±.003 [1.02]	.065 [1.65]
	Tin .0003 [.008]min.		

CONTACTS	A	B	C	D
75	60.96 [2.400]	64.77 [2.550]	74.93 [2.950]	82.55 [3.250]
90	73.66 [2.900]	77.47 [3.050]	87.63 [3.450]	95.25 [3.750]
96	78.74 [3.100]	82.55 [3.250]	92.71 [3.650]	100.33 [3.950]
105	86.36 [3.400]	90.17 [3.550]	100.33 [3.950]	107.95 [4.250]
120	99.06 [3.900]	102.87 [4.050]	113.03 [4.450]	120.65 [4.750]
135	111.76 [4.400]	115.57 [4.550]	125.73 [4.950]	133.35 [5.250]
150	124.46 [4.900]	128.27 [5.050]	138.43 [5.450]	146.05 [5.750]
165	137.16 [5.400]	140.97 [5.550]	151.13 [5.950]	158.75 [6.250]
180	149.86 [5.900]	153.67 [6.050]	163.83 [6.450]	171.45 [6.750]
195	162.56 [6.400]	166.37 [6.550]	176.53 [6.950]	184.15 [7.250]
210	175.26 [6.900]	179.07 [7.050]	189.23 [7.450]	196.85 [7.750]

APPROVALS



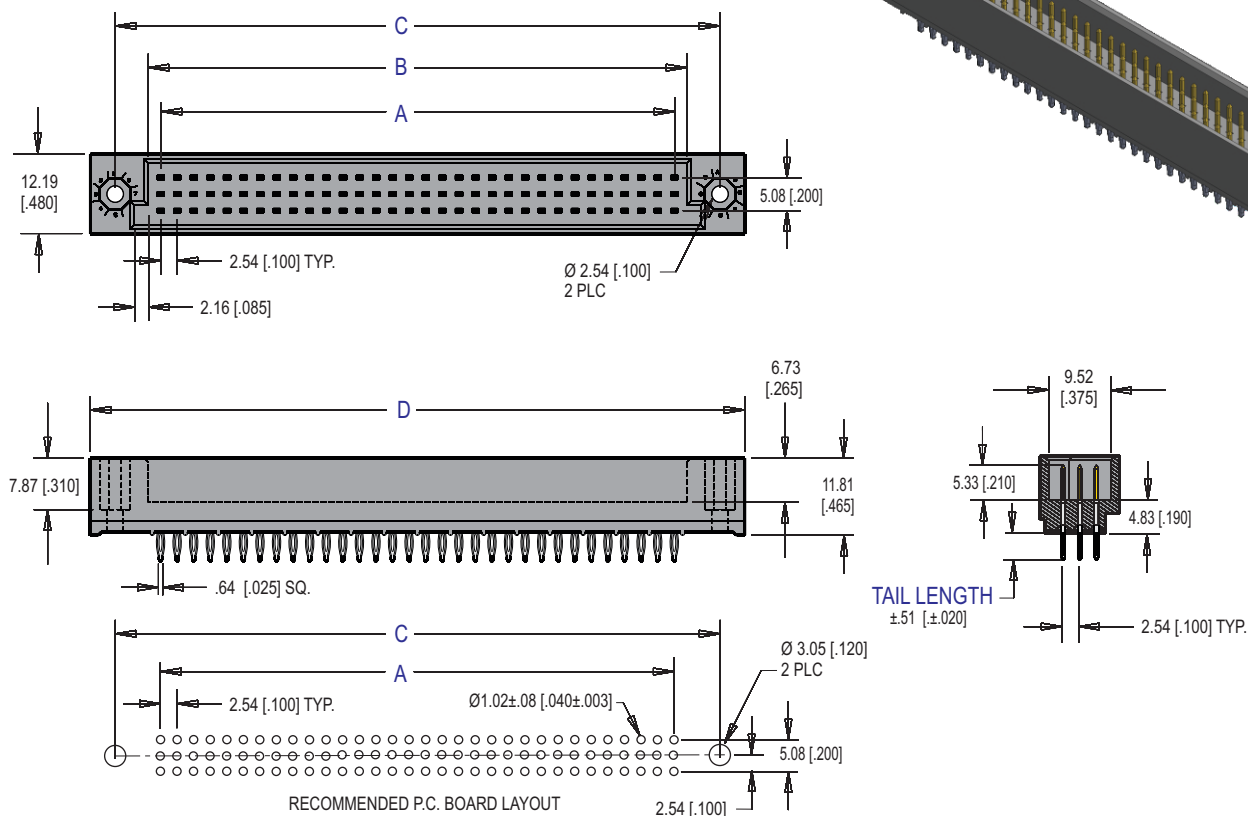
Recognized under the recognized component
Program of Underwriters Laboratories, Inc.
File Numbers: E176234

ISO 9001:2000 registered

Bellcore GRE 1217 CORE

Connectors are available that meet the requirements of Bellcore GRE-1217-CORE. Please consult factory for ordering information.

3 ROW HDI Vertical Connector, 2.54 [.100] Contact Spacing



Dimensions are in mm [inch]

PART NUMBERING

69 — C XXX X — XXXX — XXXX

Special Designation

SERIES CODE

Male HDI

NUMBER OF ROW

C = 3

NUMBER OF CONTACTS

SEE CONTACT TABLE

CONTACT ARRANGEMENT

A = Row A, B, and C fully populated
 B = Row A and B fully populated, Row C not populated
 C = Row A and C fully populated, Row B not populated
 D = Row B and C fully populated, Row A not populated
 Consult Factory for other Loading Options

TAIL PLATING

1 = Tin Lead
 2 = Flash Au over 50µ" Ni (.200" from pin tip)
 3 = 30µ" Au over 50µ" Ni (.200" from pin tip)
 4 = 15µ" Au over 50µ" Ni (.200" from pin tip)
 5 = Matte Tin

MATING AREA PLATING

1 = 30µ" Au over 50µ" Ni
 2 = 15µ" Au over 50µ" Ni
 3 = Flash Au over 50µ" Ni

TAIL LENGTH

0 = 6.35 [.250] Press-Fit
 1 = 4.57 [.180] Press-Fit
 2 = 12.70 [.500] Press-Fit
 3 = 16.51 [.650] Press-Fit
 4 = 20.57 [.810] Press-Fit
 6 = 4.57 [.180] Dip Solder
 Consult factory for other tail length

CONTACT TYPE

1 = All pins the same
 2 = EM/LB pins included
 (part number must have a suffix)

Note: Press Fit Connectors required a press in tool.
 Consult factory for Press In Tool information.