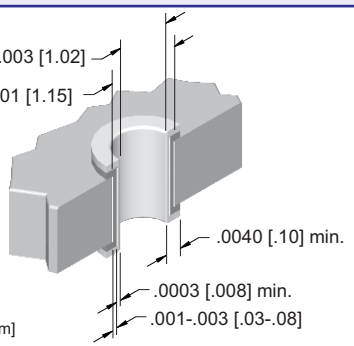
4 Row HDI Male Vertical 2 Bay

Specifications

Insulator Material: Thermoplastic, color natural (brown) 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:
≥ 10^{12} 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



Dimensions are in inch [mm]

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.		

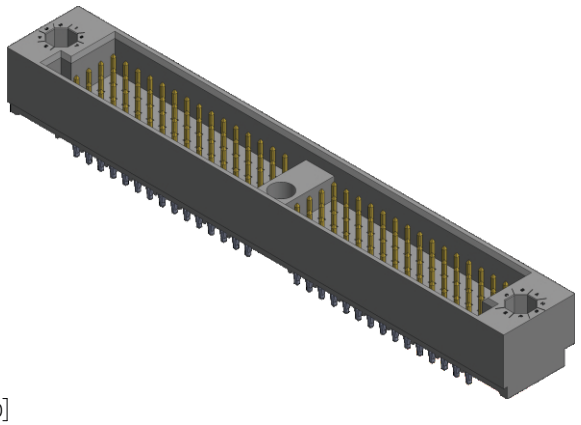
CONTACTS	A	B	C	D	E
60 to 680	((# of Position/8-1) X 2.54 [0.100])	(A X 2) + 13.97 [0.550]	(A X 2) + 24.13 [0.950]	(A X 2) + 31.75 [1.250]	(A X 2) + 13.97 [0.475]

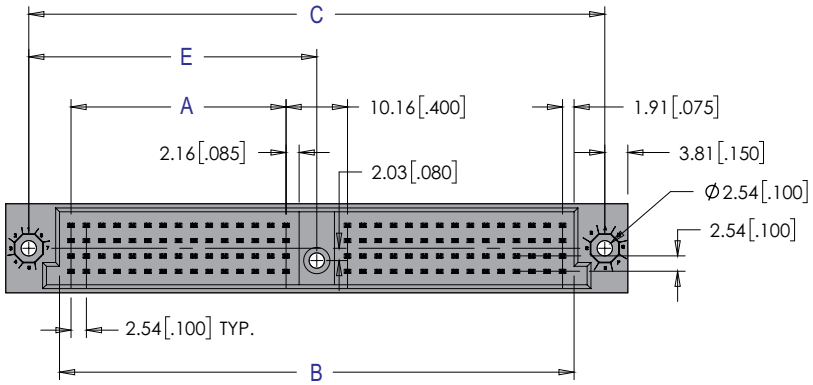
APPROVALS

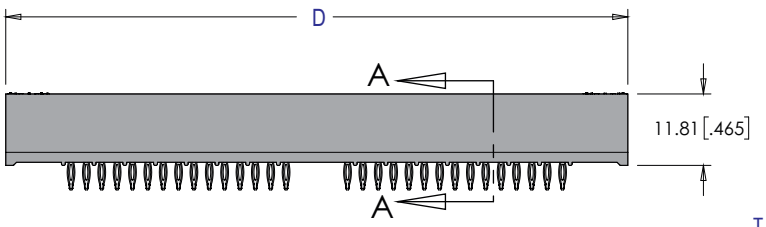
Recognized under the recognized component Program of Underwriters Laboratories, Inc.
File Numbers: E176234

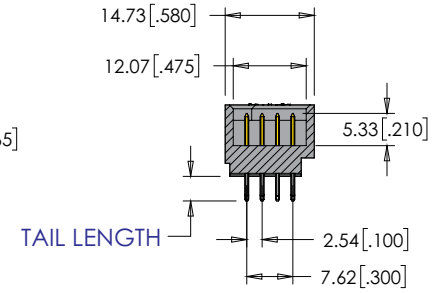
Bellcore GRE 1217 CORE
Connectors are available that meet the requirements of Bellcore GRE-1217-CORE. Please consult factory for ordering information.

4 ROW HDI Male Vertical Connector 2 Bay

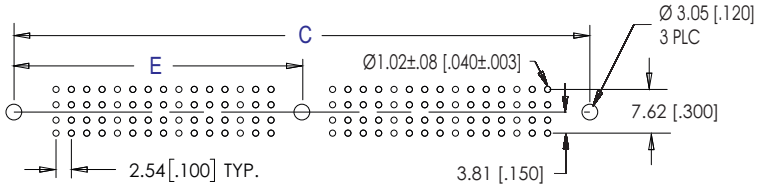








SECTION A-A



RECOMMENDED P.C. BOARD LAYOUT

PART NUMBERING

69 — J XXX X — 1 X X X — XX/XX

SERIES CODE
Male HDI Vertical

NUMBER OF ROW
J = 4 Row with 2 Bay

TOTAL CONTACT
60 to 680

CONTACT ARRANGEMENT
A = Row A, B, C and D fully populated

BAY CONTACT
BAY 1 / BAY 2
60 to 680 position

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

Dimensions are in mm [inch]