

INTRODUCTION:

Adam Tech DNR Series DIN 41612 connectors are a versatile two piece PCB connector set with features useful for many applications including connections between plug-in card and back-panel wiring, PCB to PCB attachment and peripheral connections for external interfaces. Features include a multitude of body sizes and styles with options that include selective contact loading, make and break contacts, contact lead length choices, and contact plating variations each in .100" [2.54] or .200" [5.08] centerline spacing.

FEATURES:

Industry Standard Compatible
Multiple Body Sizes
Contact Plating Options
Make and Break contacts
.100" or .200" Centerlines

MATING OPTIONS:

Adam Tech DNR series and All industry standard DIN 41612 Connectors.

SPECIFICATIONS:

Material:

Standard insulator: PBT, glass filled, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Beige
Contacts: Brass or Phosphor Bronze

Plating:

Class I: 30u" Gold over nickel underplate on contact area
Class II: 15u" gold over nickel underplate on contact area
Class III: Gold Flash over nickel underplate on contact area
Tin over copper underplate on tails

Electrical:

Operating voltage: 500V AC max.
Current rating: 2 Amps max
Contact resistance: 30 mΩ max. initial
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:

Insertion force: 20 lbs / contact max.
Withdrawal force: 0.033 lbs / contact min
Mating durability: Class I: 500 cycles
Class II: 250 cycles
Class III: 100 cycles

Temperature Rating:

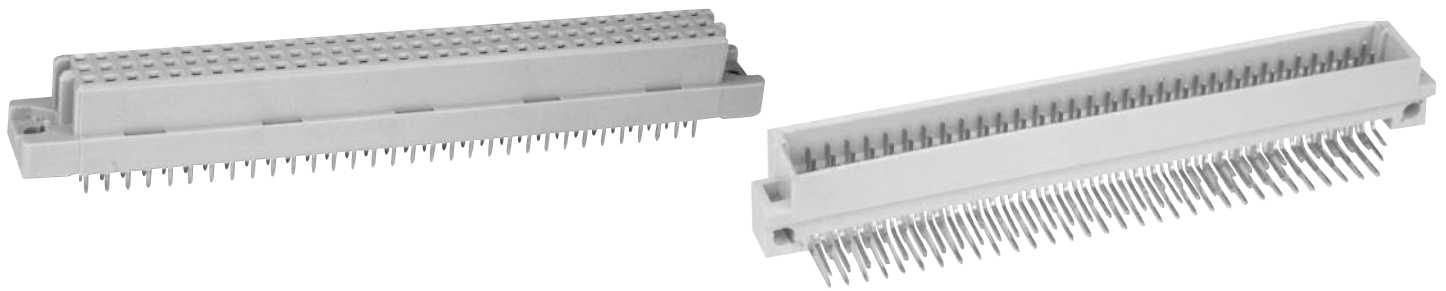
Operating temperature: -55°C to +125°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

PACKAGING:

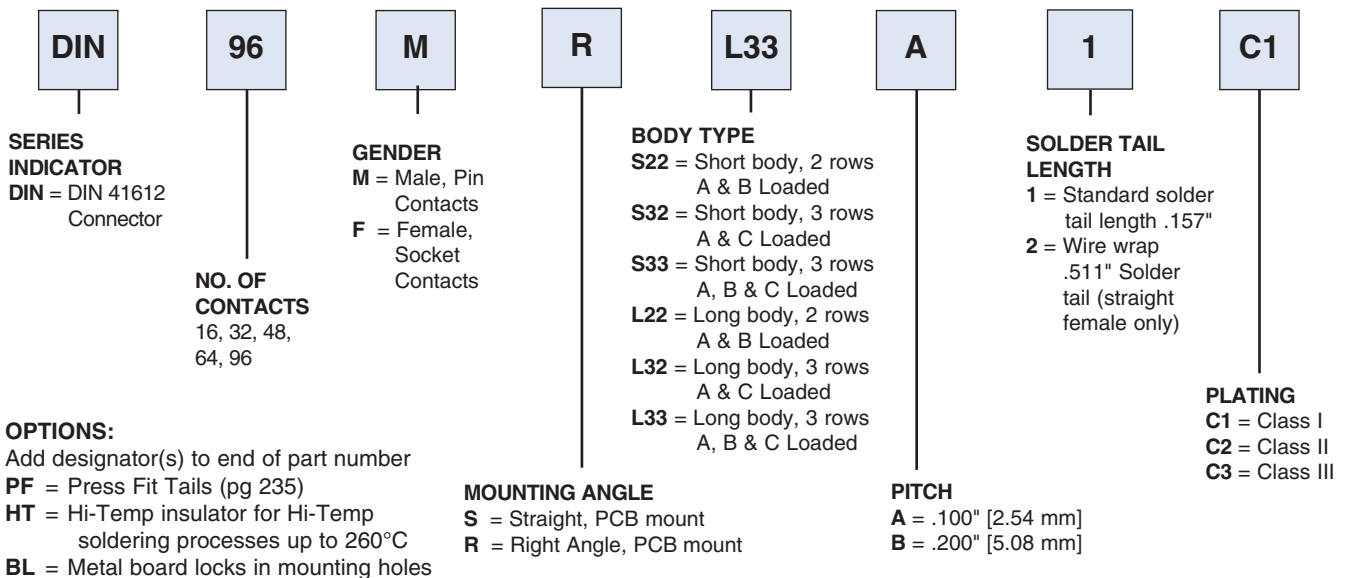
Anti-ESD plastic trays or tubes

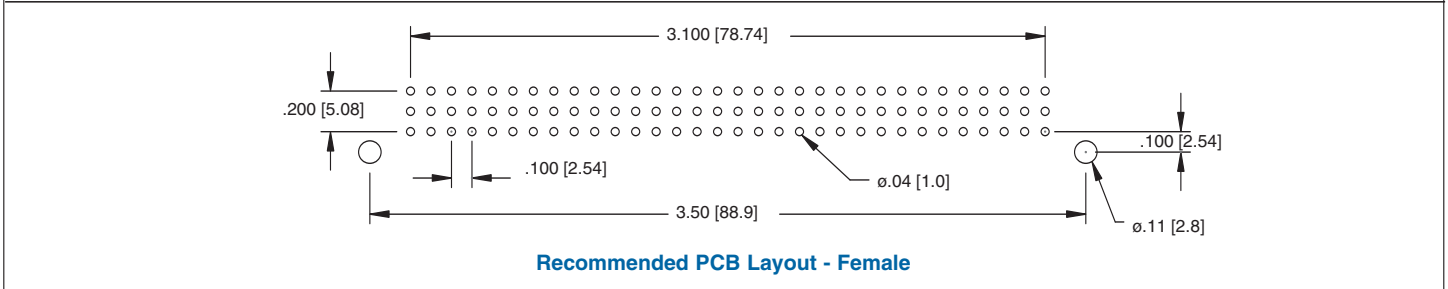
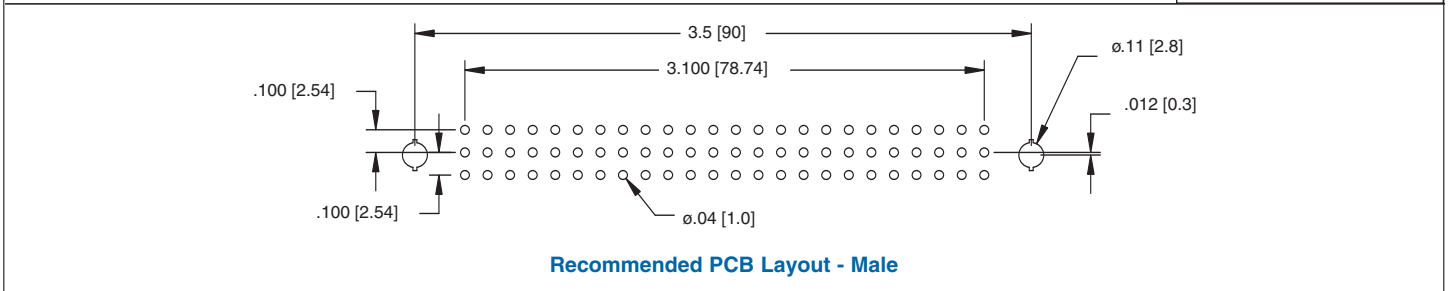
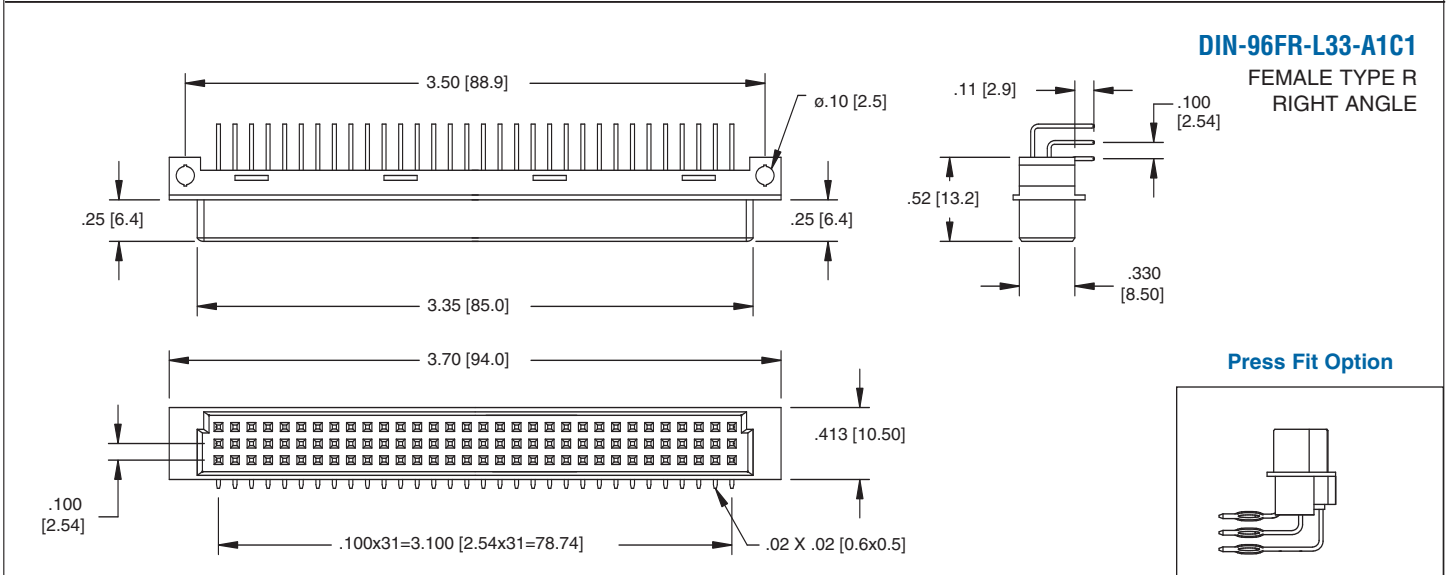
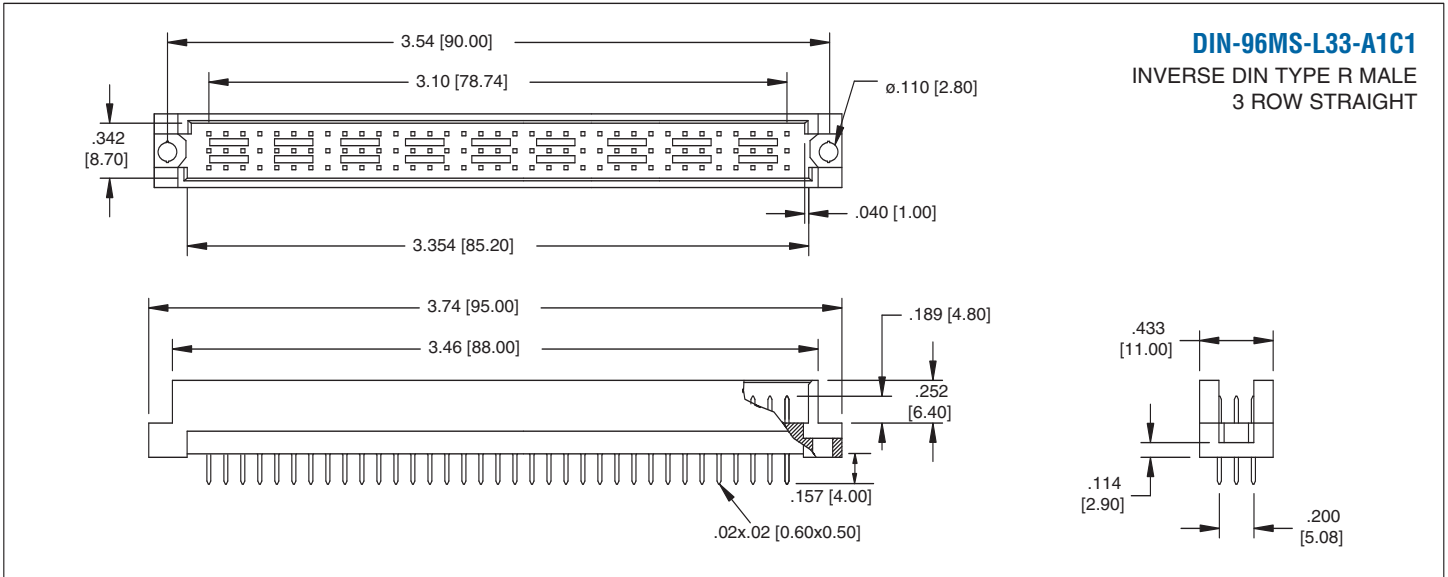
APPROVALS AND CERTIFICATIONS:

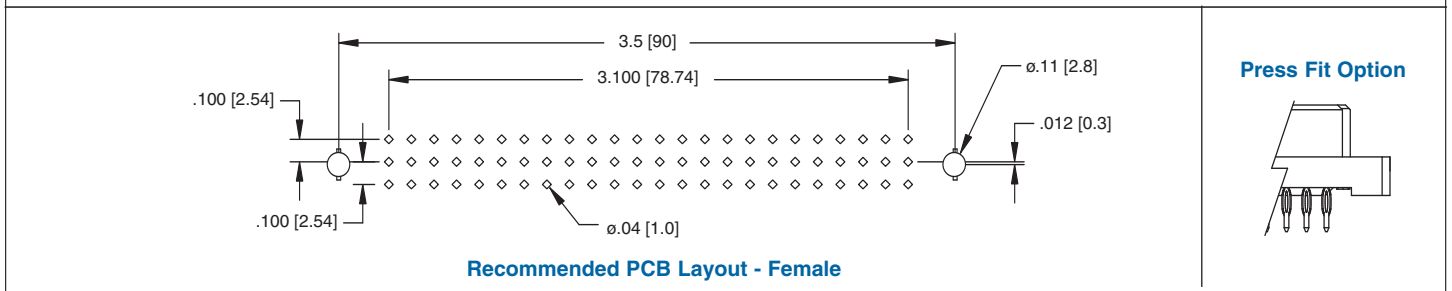
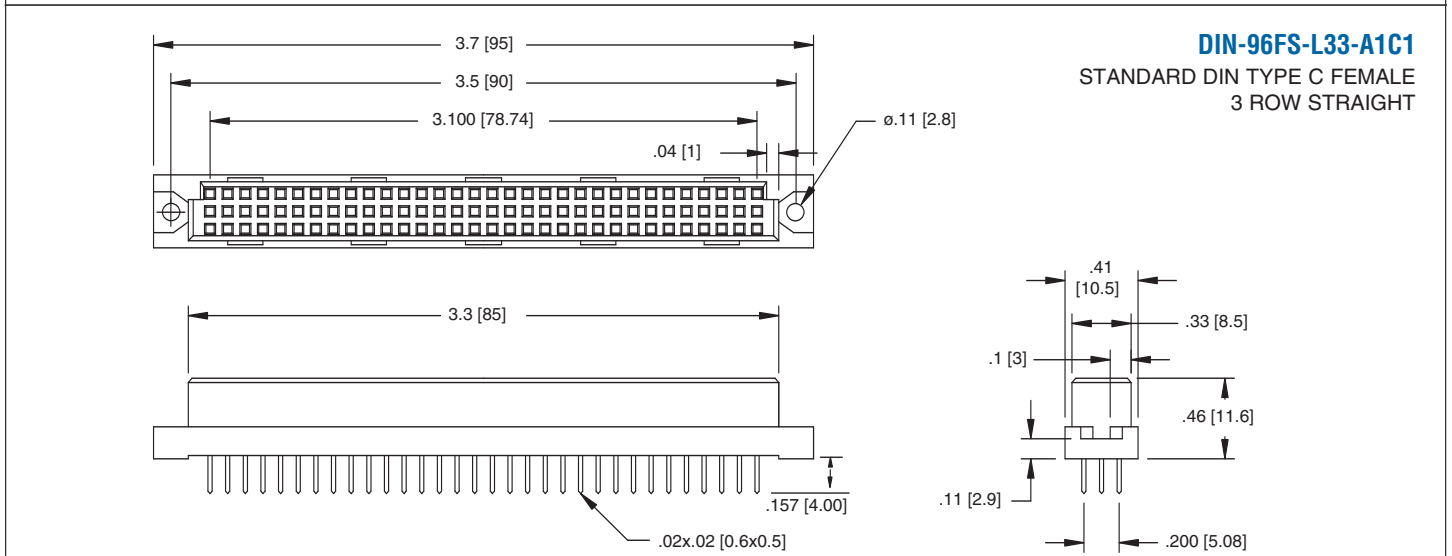
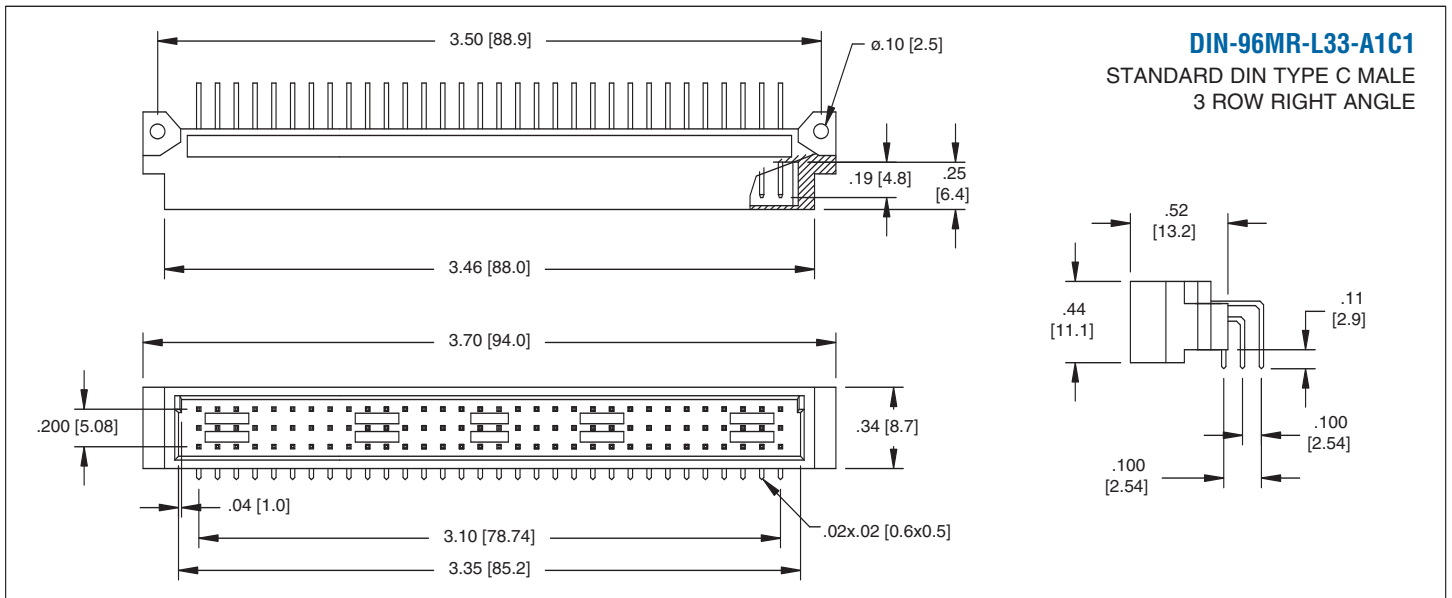
UL Recognized File No. E224053
CSA Certified File No. LR1578596



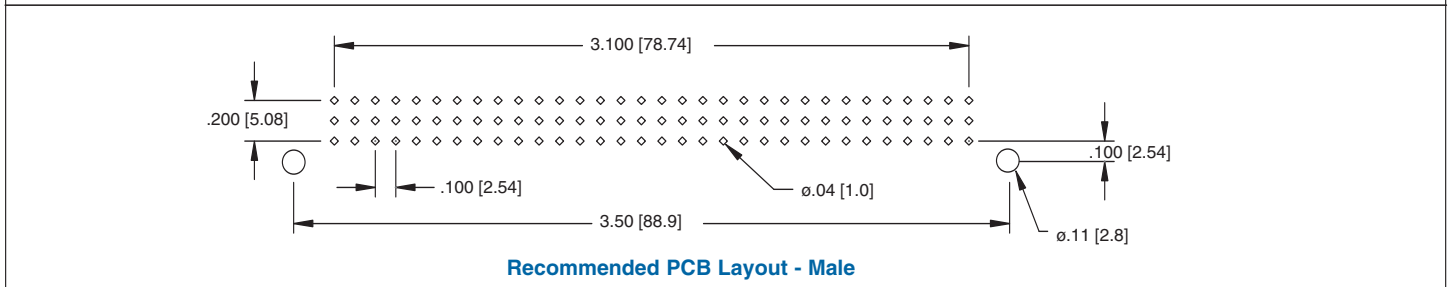
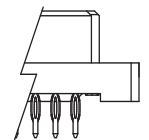
ORDERING INFORMATION

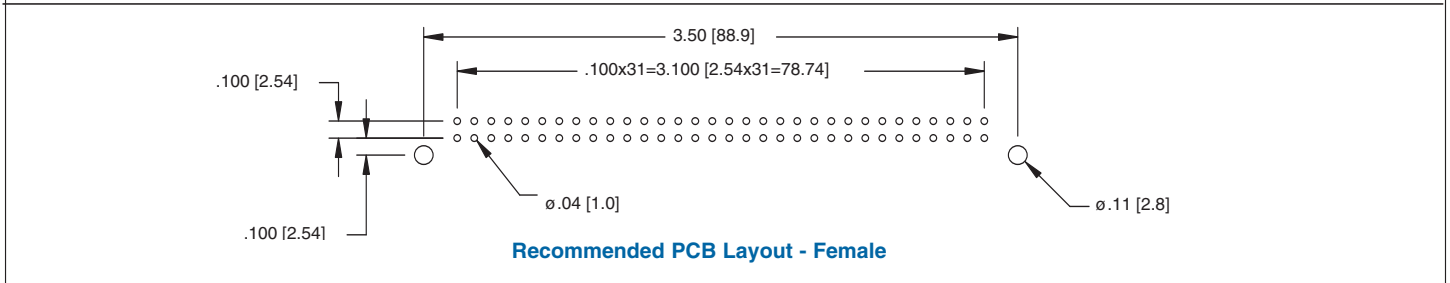
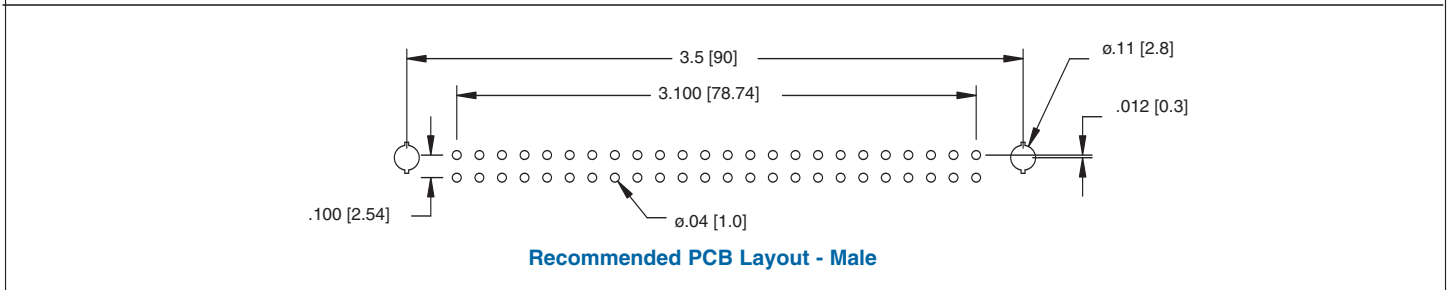
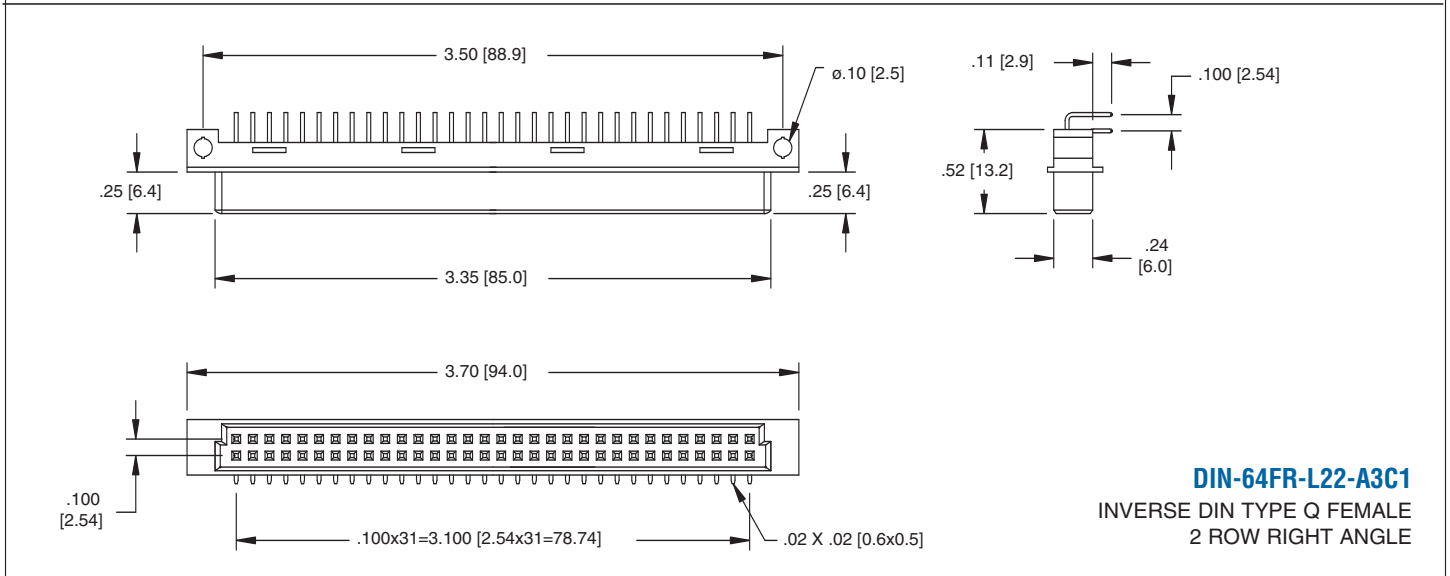
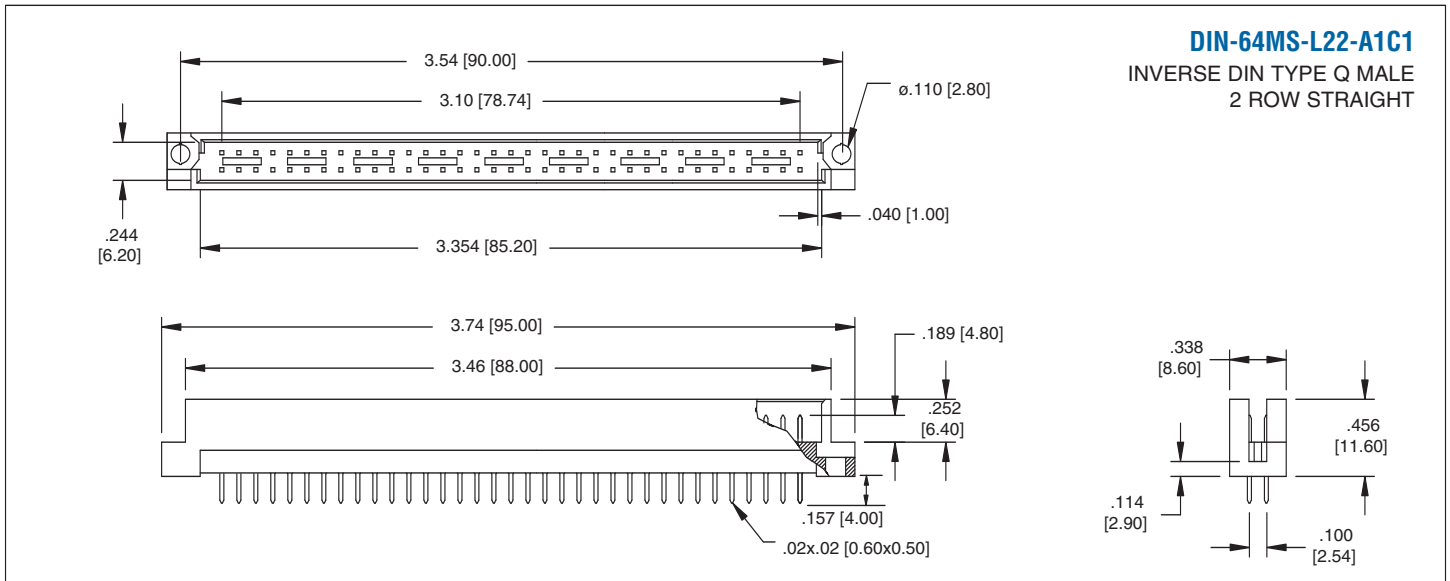


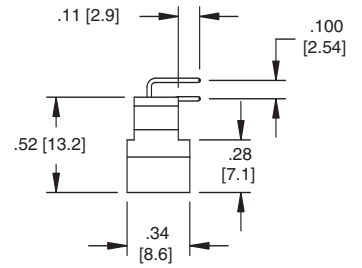
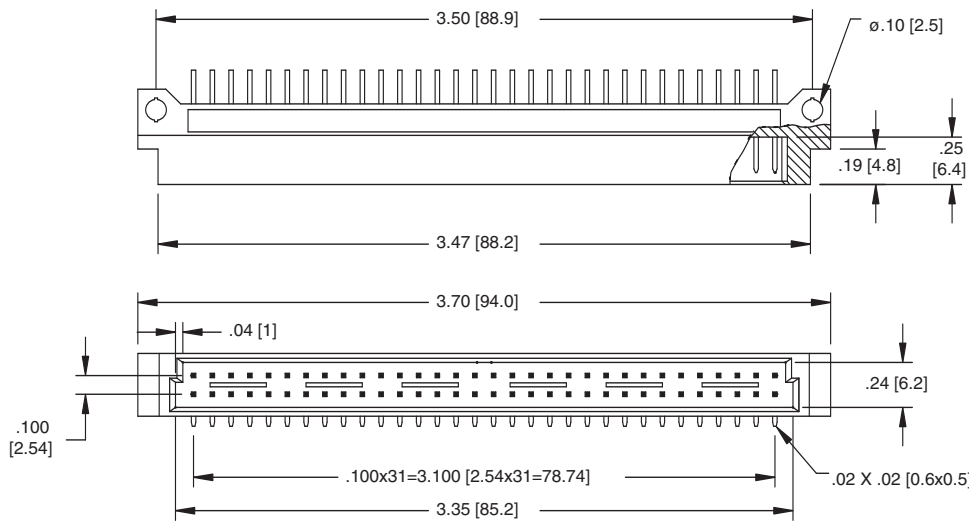




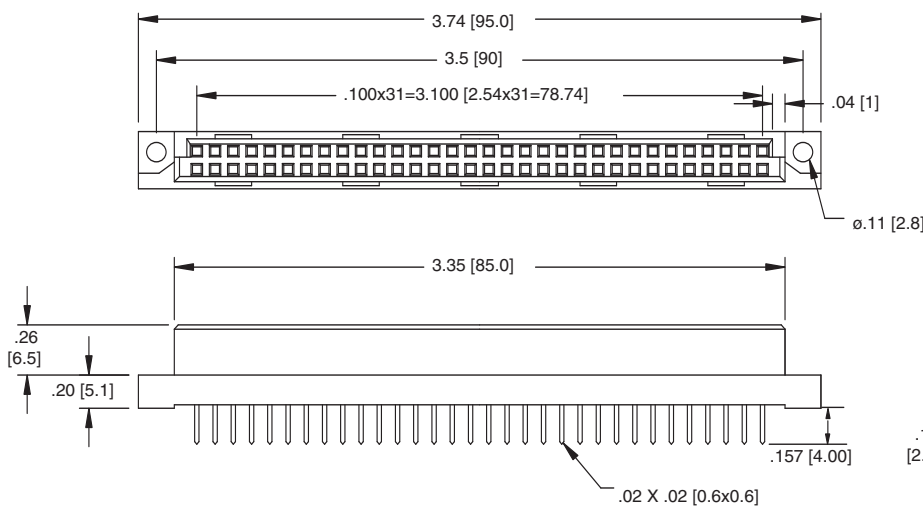
Press Fit Option



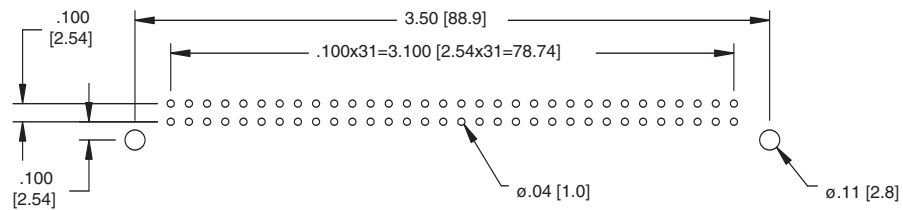
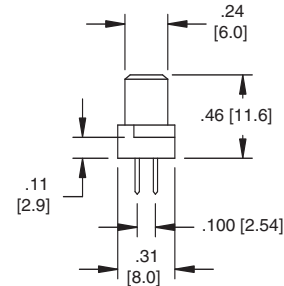




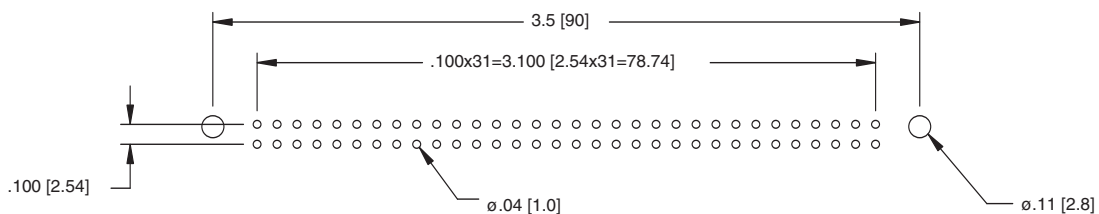
DIN-64MR-L22-A1C1
STANDARD DIN TYPE B MALE
2 ROW RIGHT ANGLE



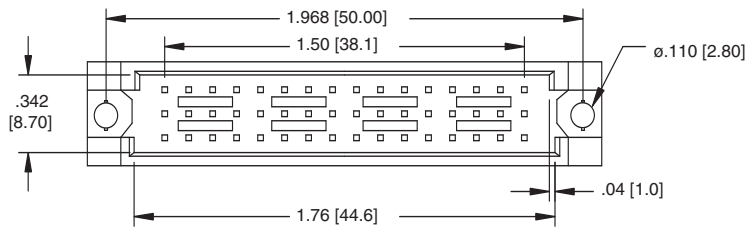
DIN-64FS-L22-A1C1
STANDARD DIN TYPE B FEMALE
2 ROW STRAIGHT



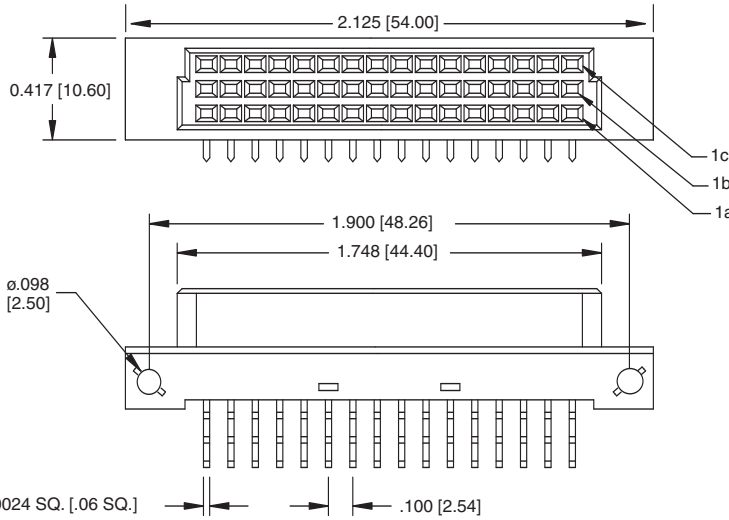
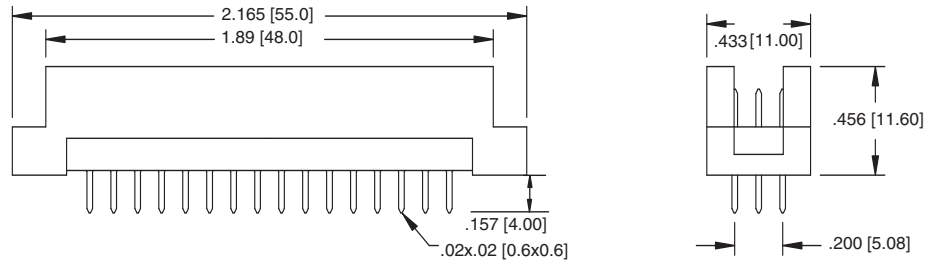
Recommended PCB Layout - Male



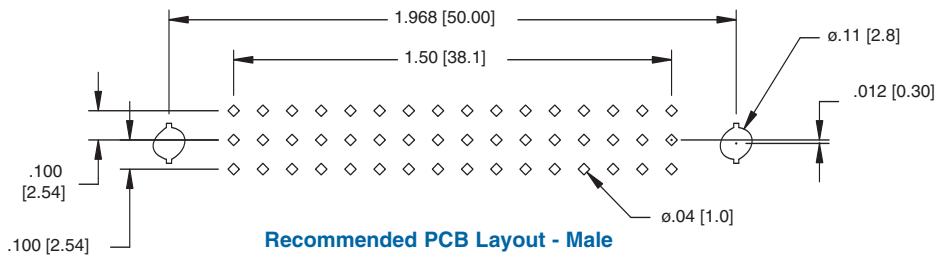
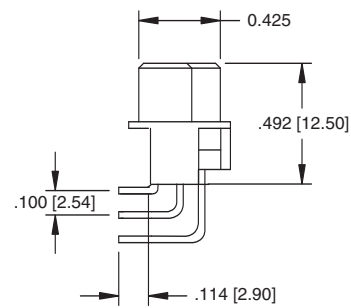
Recommended PCB Layout - Female



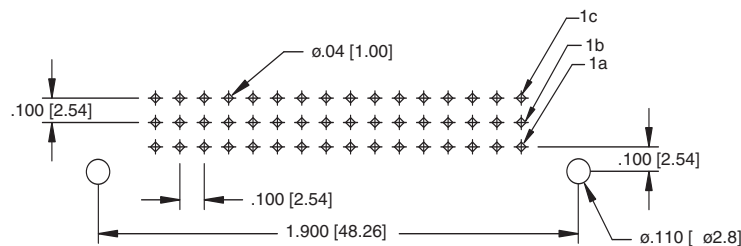
DIN-48MS-S33-A1C1
INVERSE DIN TYPE 1/2 R MALE
3 ROW STRAIGHT



DIN-48FR-S33-A1C1
INVERSE DIN TYPE 1/2 R FEMALE
3 ROW STRAIGHT



Recommended PCB Layout - Male



Recommended PCB Layout - Female

