

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:

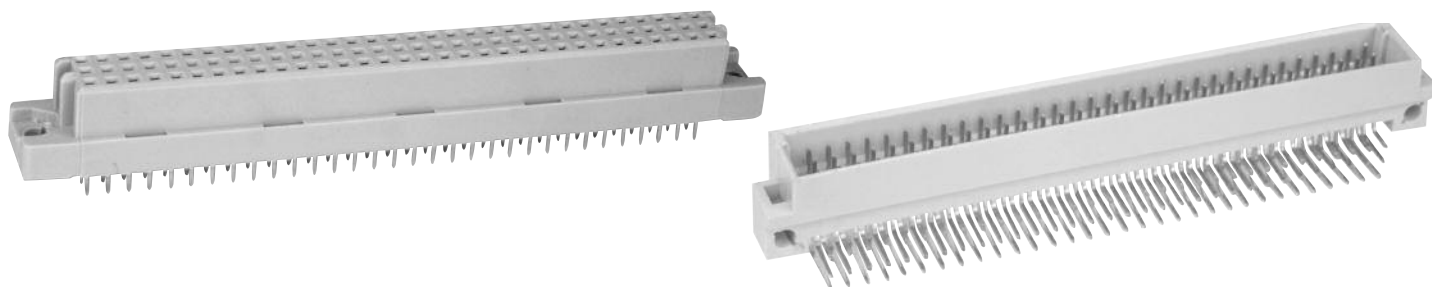
Operating temperature: -55°C to +125°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

PACKAGING:

Anti-ESD plastic trays or tubes

APPROVALS AND CERTIFICATIONS:

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

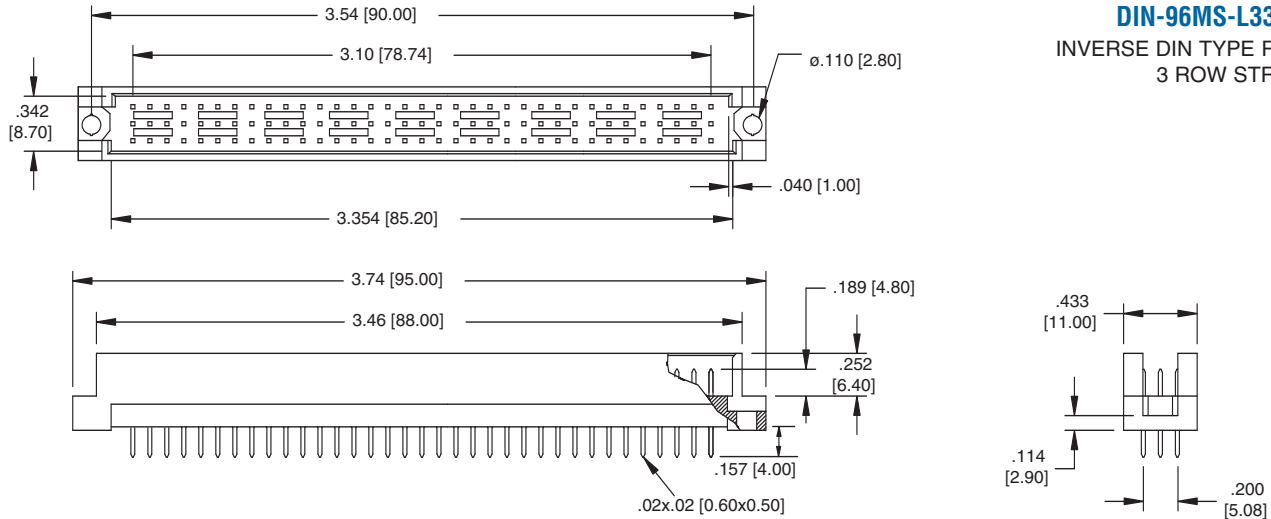


ORDERING INFORMATION

DIN	96	M	R	L33	A	1	C1
SERIES INDICATOR DIN = DIN 41612 Connector	NO. OF CONTACTS 16, 32, 48, 64, 96	GENDER M = Male, Pin Contacts F = Female, Socket Contacts		BODY TYPE S22 = Short body, 2 rows A & B Loaded S32 = Short body, 3 rows A & C Loaded S33 = Short body, 3 rows A, B & C Loaded L22 = Long body, 2 rows A & B Loaded L32 = Long body, 3 rows A & C Loaded L33 = Long body, 3 rows A, B & C Loaded		SOLDER TAIL LENGTH 1 = Standard solder tail length .157" 2 = Wire wrap .511" Solder tail (straight female only)	PLATING C1 = Class I C2 = Class II C3 = Class III
OPTIONS: Add designator(s) to end of part number PF = Press Fit Tails (pg 235) HT = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C BL = Metal board locks in mounting holes			MOUNTING ANGLE S = Straight, PCB mount R = Right Angle, PCB mount		PITCH A = .100" [2.54 mm] B = .200" [5.08 mm]		

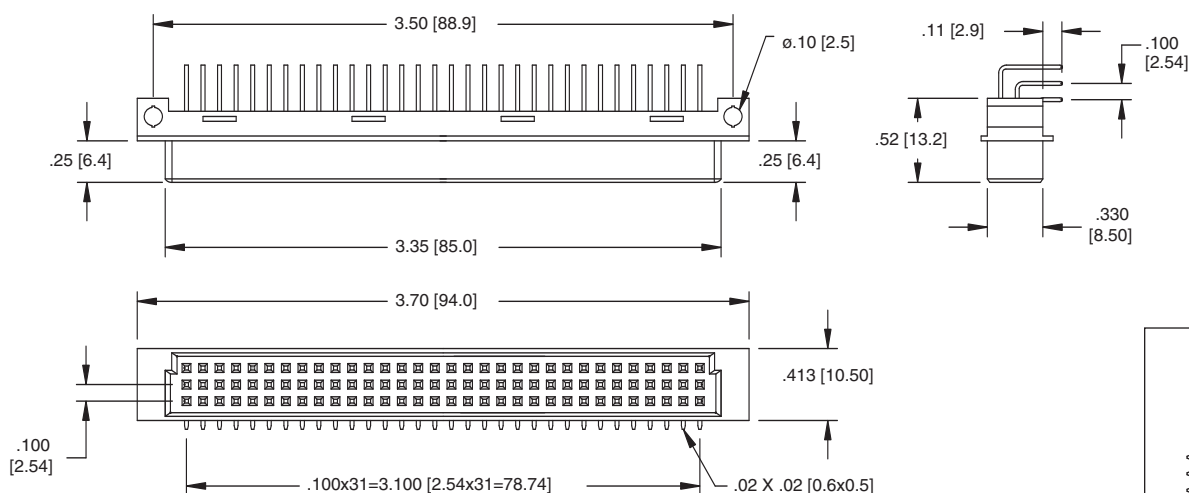
DIN-96MS-L33-A1C1

INVERSE DIN TYPE R MALE
3 ROW STRAIGHT

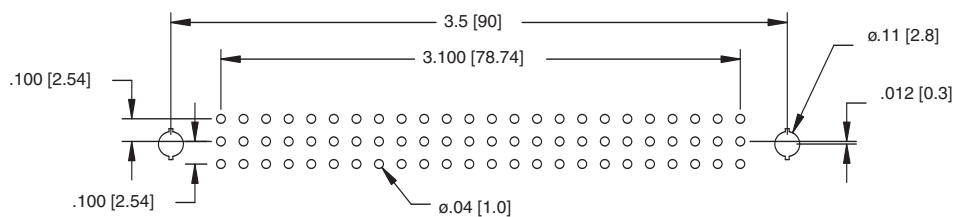
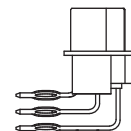


DIN-96FR-L33-A1C1

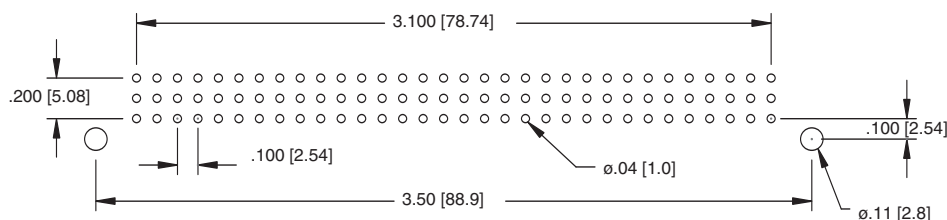
FEMALE TYPE R
RIGHT ANGLE



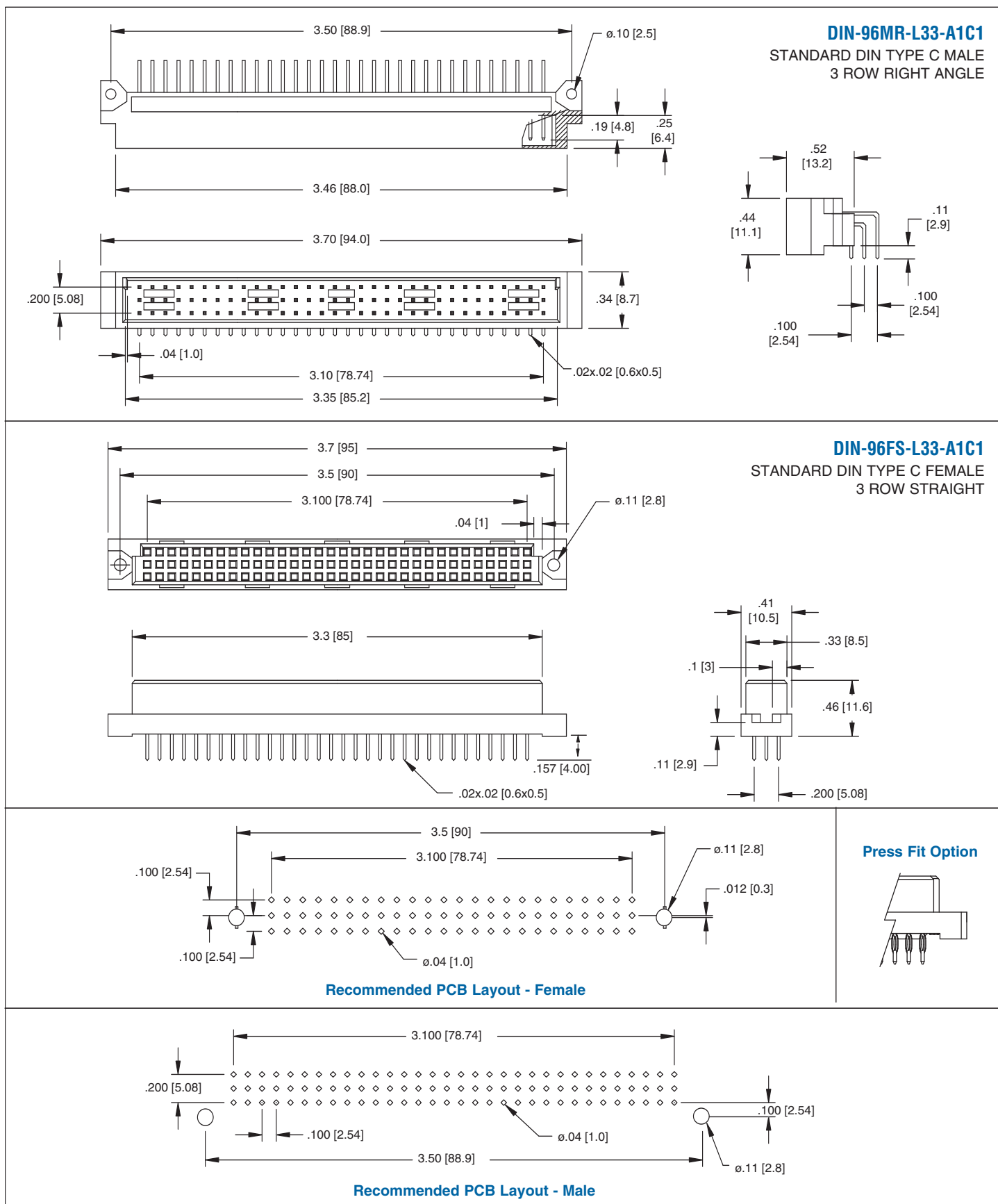
Press Fit Option



Recommended PCB Layout - Male

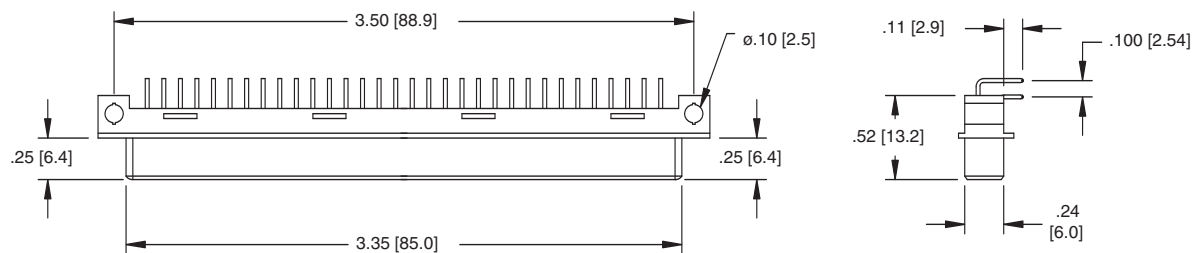
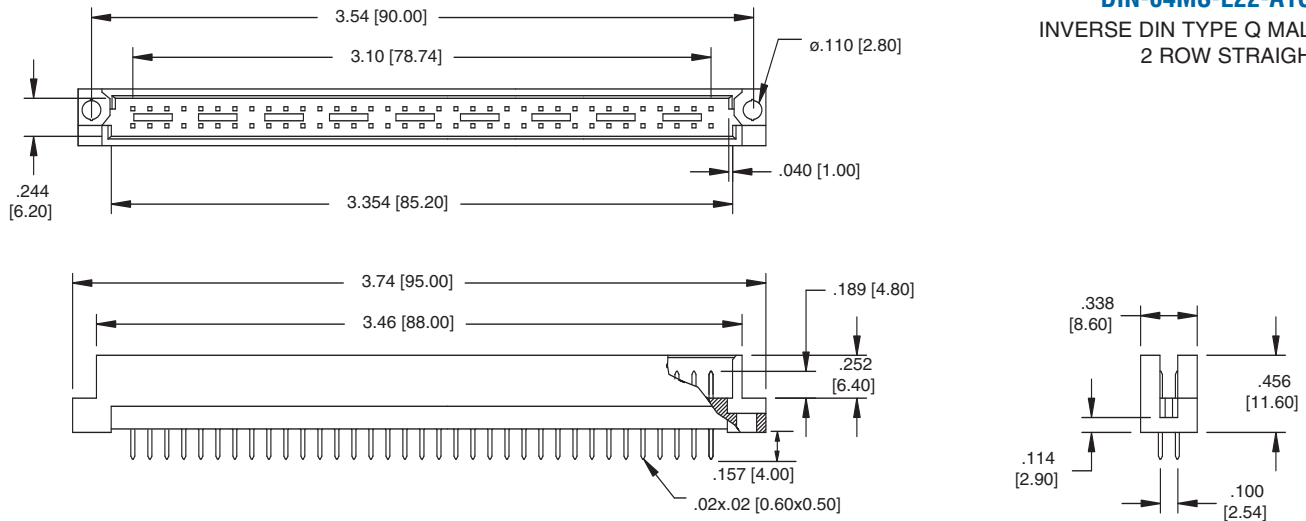


Recommended PCB Layout - Female



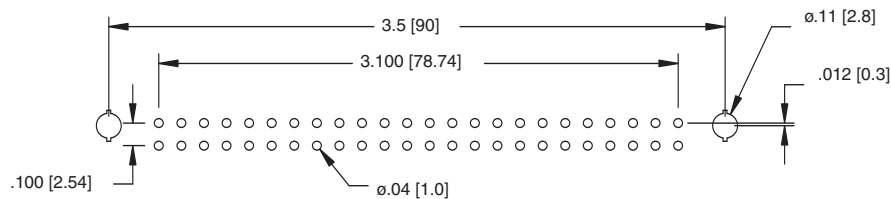
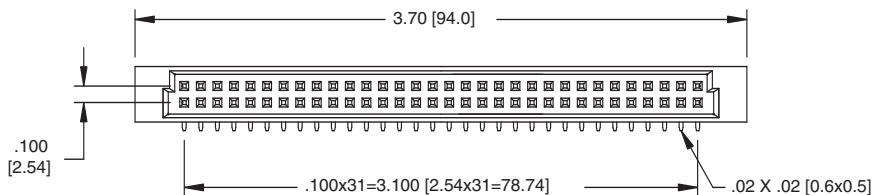
DIN-64MS-L22-A1C1

INVERSE DIN TYPE Q MALE
2 ROW STRAIGHT

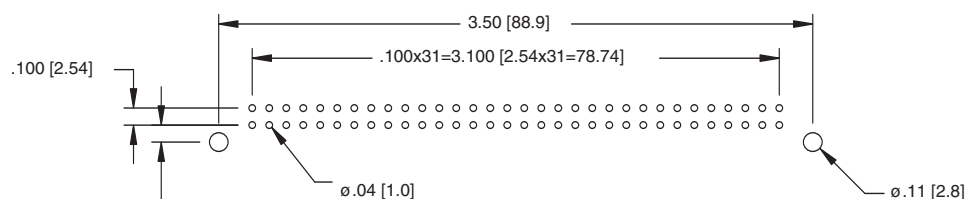


DIN-64FR-L22-A3C1

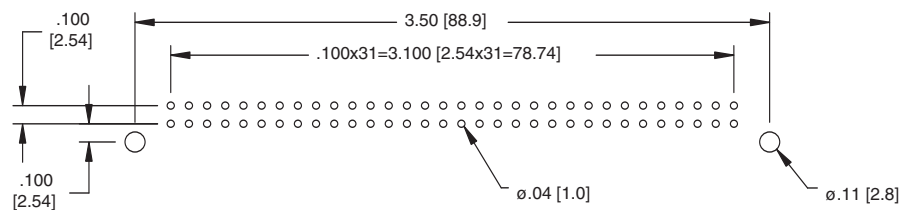
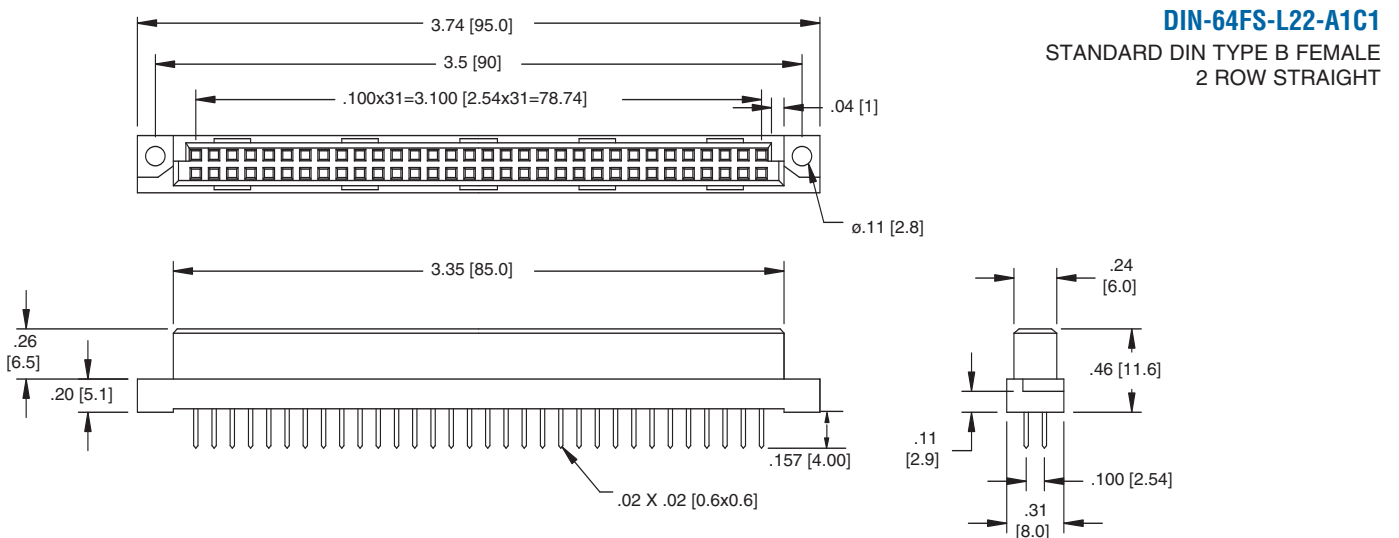
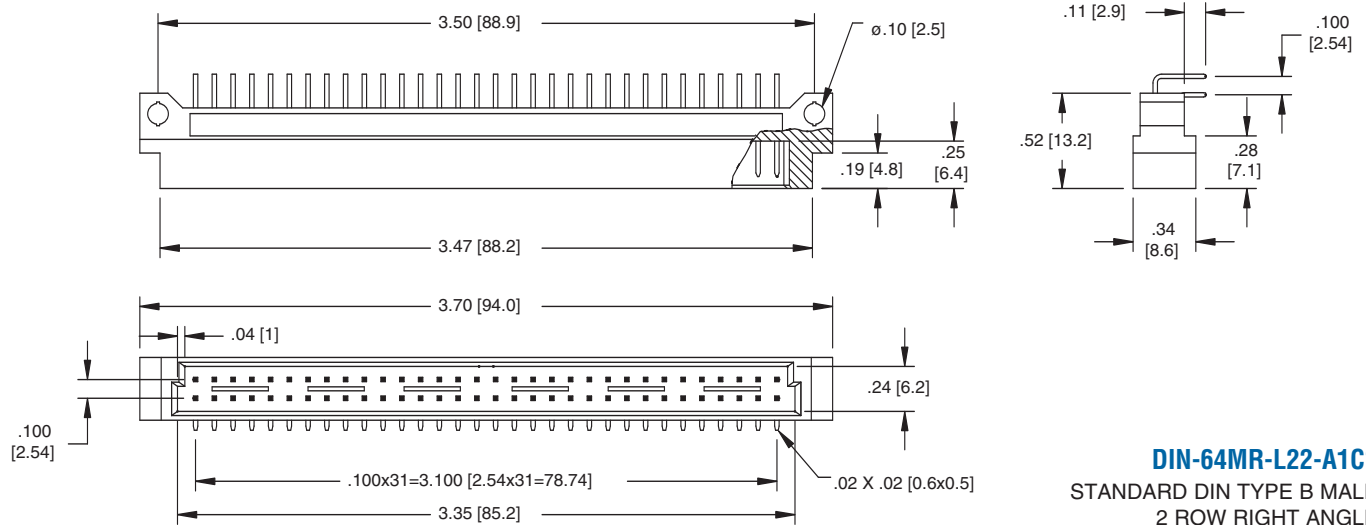
INVERSE DIN TYPE Q FEMALE
2 ROW RIGHT ANGLE



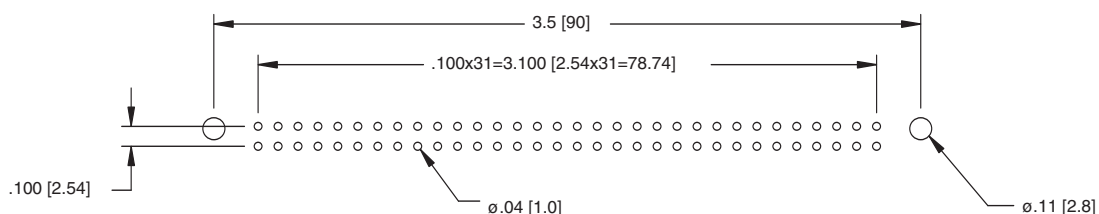
Recommended PCB Layout - Male



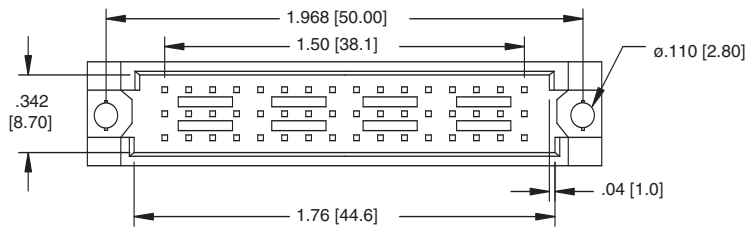
Recommended PCB Layout - Female



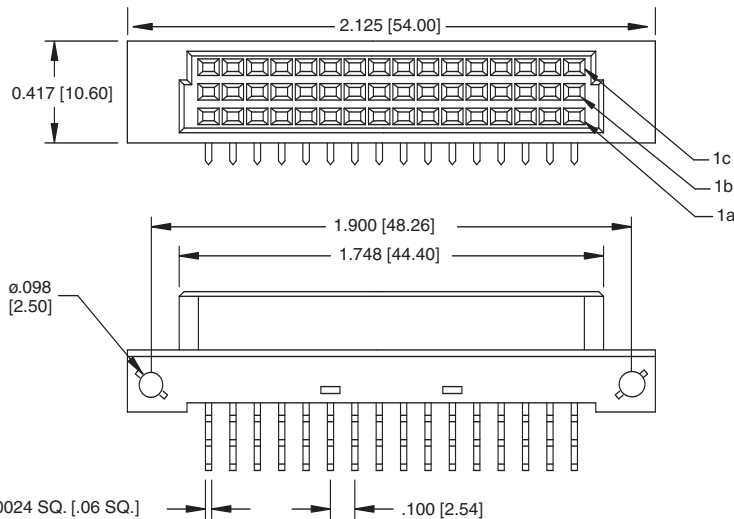
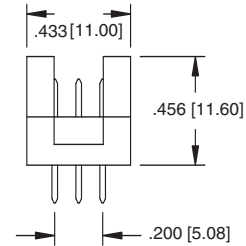
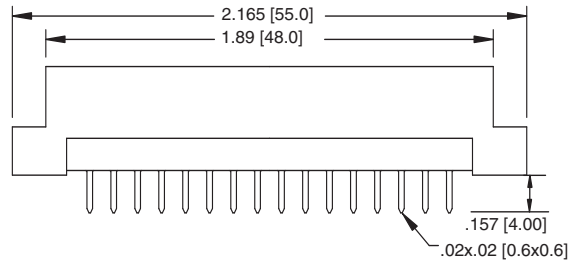
Recommended PCB Layout - Male



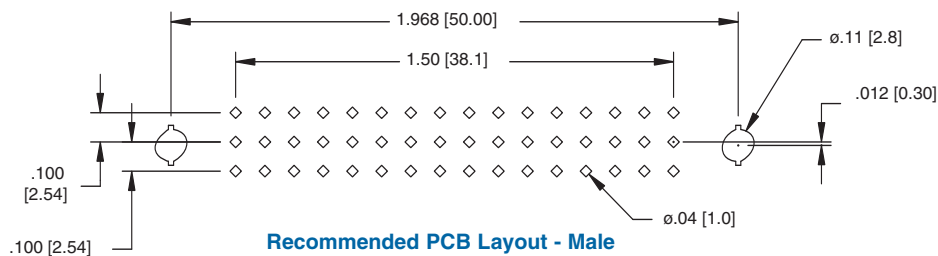
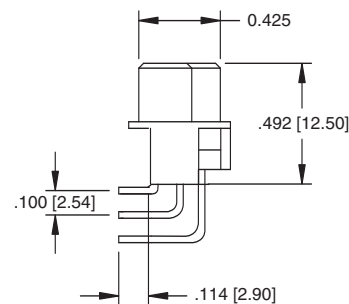
Recommended PCB Layout - Female



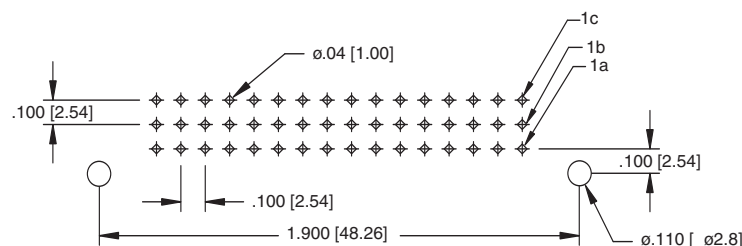
DIN-48MS-S33-A1C1
INVERSE DIN TYPE 1/2 R MALE
3 ROW STRAIGHT



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



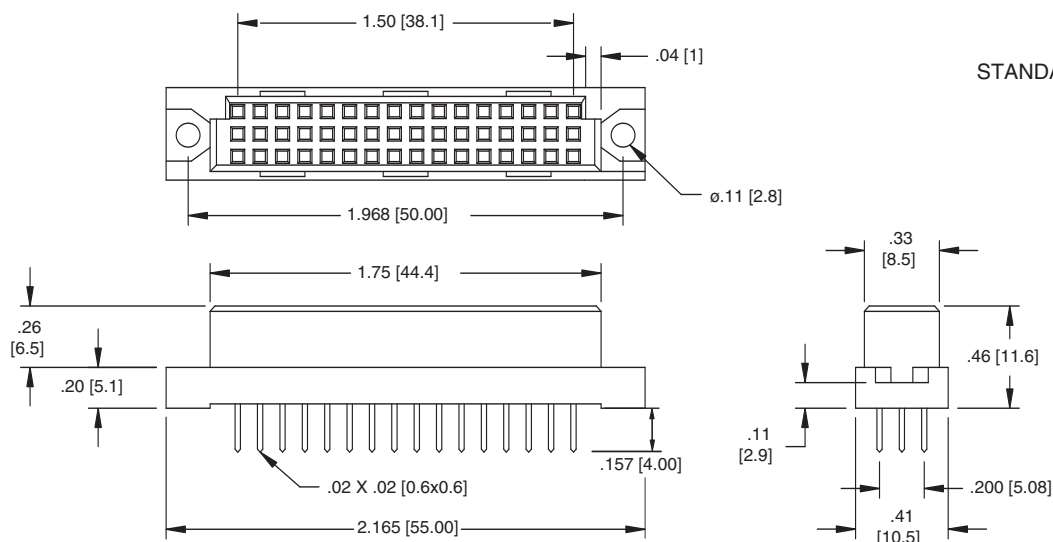
Recommended PCB Layout - Male



Recommended PCB Layout - Female

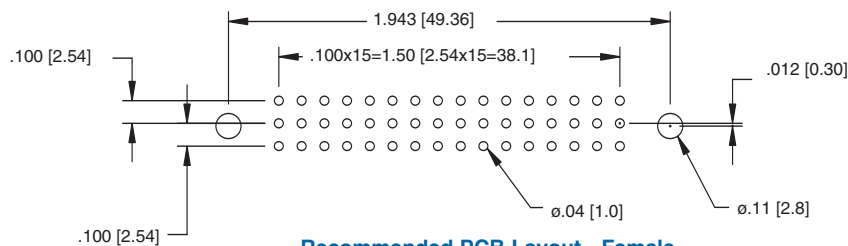
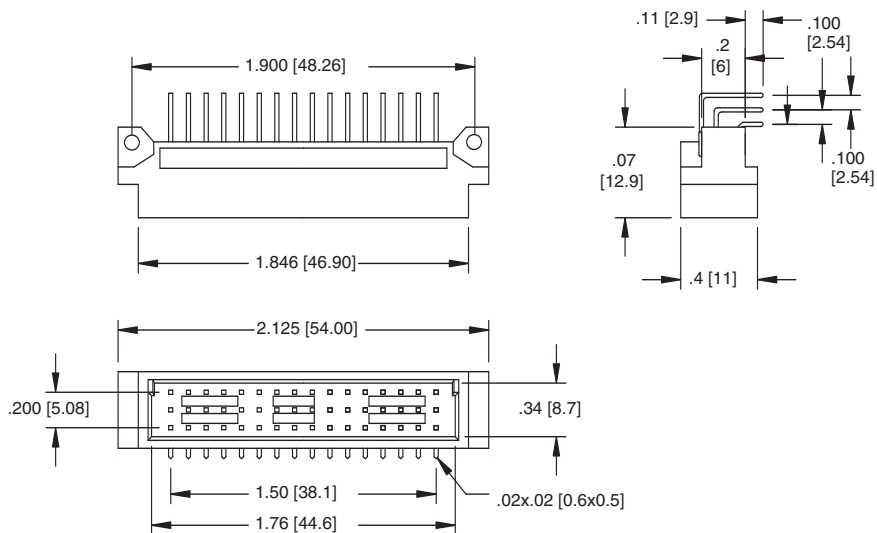
DIN-48FS-S33-A1C1

STANDARD DIN TYPE 1/2 C FEMALE
3 ROW STRAIGHT

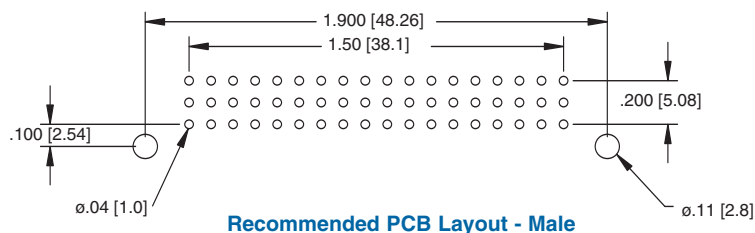


DIN-48MR-S33-A1C1

STANDARD DIN TYPE 1/2 C MALE
3 ROW RIGHT ANGLE



Recommended PCB Layout - Female



Recommended PCB Layout - Male