

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

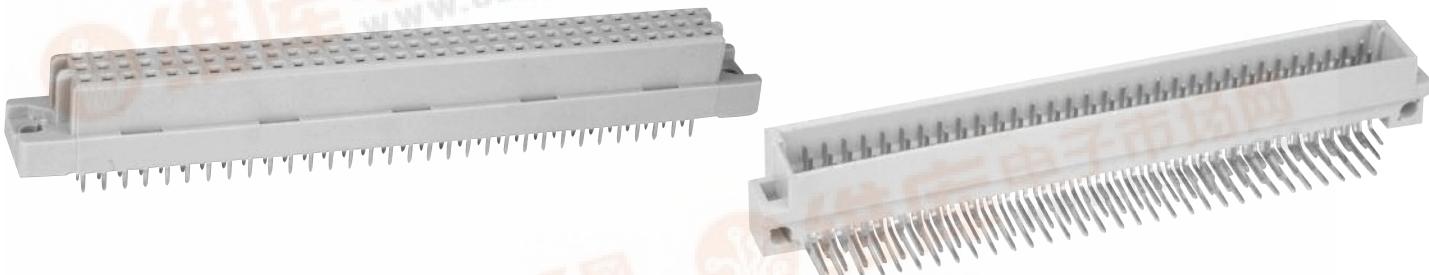
PACKAGING:

Anti-ESD plastic trays or tubes

APPROVALS AND CERTIFICATIONS:

UL Recognized File No. E224053

CSA Certified File No. LR1578596



ORDERING INFORMATION



SERIES INDICATOR
DIN = DIN 41612 Connector



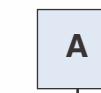
NO. OF CONTACTS
16, 32, 48, 64, 96



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



A

PITCH

A = .100" [2.54 mm]
B = .200" [5.08 mm]



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