DIN 41612 CONNECTORS
DNR SERIES

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

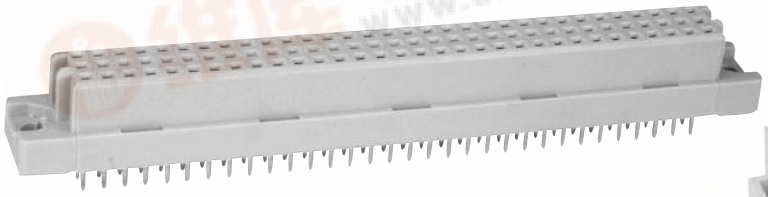
Mechanical:
Insertion force: 20 lbs / contact max.
Withdrawal force: 0.033 lbs / contact min
Mating durability: Class I: 500 cycles
Class II: 250 cycles
Class III: 100 cycles

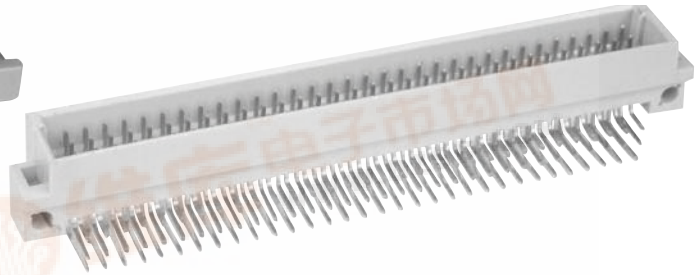
Temperature Rating:
Operating temperature: -55°C to +125°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

PACKAGING:
Anti-ESD plastic trays or tubes

APPROVALS AND CERTIFICATIONS:
UL Recognized File No. E224053
CSA Certified File No. LR1578596

RoHS COMPLIANT
HI-TEMP INSULATOR AVAILABLE





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

MOUNTING ANGLE
S = Straight, PCB mount
R = Right Angle, PCB mount

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

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