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Part Number: [0850039018](#)
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612 C Style Male Header, Right Angle, Through Hole, 0.60µm (24µ") Selective Gold (Au) Plating, 96 Circuits, with Mounting Clips, No Flux Proof, Lead free

Documents:

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E29179

General

Product Family Backplane Connectors
 Series [85003](#)
 Application Backplane
 Comments With Mounting Clips. No Flux Proof. 4.2mm(.165") Last-Mate-First- Break Contacts. . 4.8mm(.189") Normal Contacts
 Component Type PCB Header
 Overview [din_41612](#)
 Product Name IEC 603-2/DIN 41612
 Style C

Physical

Circuits (Loaded) 96
 Circuits (maximum) 96
 Circuits Detail Standard Contacts at: A:a1-a10,a12-a15,a17,a19-a22,a24-a32; B:b1,b3- b5,b7-b15,b17,b19-b22,b24-b26,b28-b30,b32; C:c1-c10,c12-c15,c19-c32. Last-Mate-First-Break Contacts at: X:a1 1,16,18,23; Y:b2,b6,b16,b18,b23,b27,b31; Z:c11,c16,c17,c18
 Color - Resin Gray
 Durability (mating cycles max) 400
 First Mate / Last Break No
 Flammability 94V-0
 Guide to Mating Part No
 Keying to Mating Part Yes
 Material - Metal Brass
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Material - Resin Polyester
 Number of Columns 16
 Number of Pairs Open Pin Field
 Number of Rows 3
 Orientation Right Angle
 PC Tail Length (in) 0.118 In
 PC Tail Length (mm) 3.00 mm
 PCB Locator No
 PCB Retention Yes
 PCB Thickness Recommended (in) 0.062 In
 PCB Thickness Recommended (mm) 1.60 mm
 Packaging Type Carton
 Pitch - Mating Interface (in) 0.100 In

EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

[85003Series](#)

Pitch - Mating Interface (mm)	2.54 mm
Pitch - Term. Interface (in)	0.100 In
Pitch - Term. Interface (mm)	2.54 mm
Plating min: Mating (µin)	24
Plating min: Mating (µm)	0.60
Plating min: Termination (µin)	98
Plating min: Termination (µm)	2.5
Polarized to PCB	Yes
Stackable	No
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	1A
Data Rate	622.0 Mbps
Voltage - Maximum	250V AC (RMS)

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-85003-001
Sales Drawing	SD-85003-9018

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20 19 18 17 16 15 14 13 12 11 9 8 7 6 5 4 3 2 1

VIEW ON MATING SIDE

○	C	C	C	C	C	C	C	C	C	C	C	C	C	Z	Z	Z	C	C	C	C	Z	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	
△	B	Y	B	B	B	Y	B	B	B	Y	B	B	B	Y	B	Y	B	B	B	B	B	B	B	B	B	B	Y	B	B	B	Y	B	B	B	Y	B	B	Y	B	B	Y	B
○	A	A	A	A	A	A	A	A	X	A	A	A	A	X	A	X	A	A	A	A	X	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 -

A = 28 STANDARD CONTACTS L = 3
 B = 25 STANDARD CONTACTS L = 3
 C = 28 STANDARD CONTACTS L = 3
 X = 4 LMFB CONTACTS -0.6 L = 3
 Y = 7 LMFB CONTACTS -0.6 L = 3
 Z = 4 LMFB CONTACTS -0.6 L = 3
 S = 96 TOTAL NUMBER OF CONTACTS

MARKING	STANDARD
PERFORMANCE LEVEL	G2/0 = CONTACT AREA LEVEL 2 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	YES
DIMENSIONS	SD-85003-0001 SHT 1

Z	G2/0	c11, 16, 17, 18
Y	G2/0	b2, 6, 16, 18, 23, 27, 31
X	G2/0	a11, 16, 18, 23
C	G2/0	c1-10, 12-15, 19-32
B	G2/0	b1, 3-5, 7-15, 17, 19-22, 24-26, 28-30, 32
A	G2/0	a1-10, 12-15, 17, 19-22, 24-32
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

EC NO. I 2004-XXXX DRAWN BY: 09/09/03 CHK'G L.: 09/09/03 APPR'G L.: 09/09/03	QUALITY SYMBOLS MAJOR CRITICAL S	GENERAL TOLERANCES: (UNLESS SPECIFIED): 4 PLACES ±0.15mm ±.006 INCH 3 PLACES ±0.20mm ±.008 INCH 2 PLACES ±0.25mm ±.010 INCH 1 PLACE ±0.30mm ±.012 INCH		SCALE S.S. 06/12/01 G.L. 06/12/01	DESIGN UNITS <input checked="" type="checkbox"/> MM <input type="checkbox"/> INCH	THIRD ANGLE PROJECTION <input type="checkbox"/> 1st <input checked="" type="checkbox"/> 2nd		DIMENSIONS: <input type="checkbox"/> mm <input type="checkbox"/> inch <input checked="" type="checkbox"/> mm ONLY		SHT 1	REV
		DRAWN BY & DATE S.S. 06/12/01	TITLE: 96 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE C CONTACTS ARRANGEMENT					Molex		REVISE ON CAD ONLY	
C	REV	APPROVED BY & DATE G.L. 06/12/01		CAD FILENAME SD-85003-9018.S0		MATERIAL NO. 85003-9018		DRAWING NO. SD-85003-9018		SHEET NO. 1 OF 1	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.				SIZE D		

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1