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Part Number:

[0850037031](#)

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, 23 Circuits, with Mounting Clips, No Flux Proof, High Temperature version

Documents:	
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-85003-0001 (PDF)	

Agency Certification	
CSA	LR19980
UL	E29179
General	
Product Family	Backplane Connectors
Series	85003
Application	Backplane
Comments	With Mounting Clips. No Flux Proof
Component Type	PCB Header
Overview	din_41612
Product Name	IEC 603-2/DIN 41612
Style	C
Physical	
Circuits (Loaded)	23
Circuits (maximum)	96
Circuits Detail	Standard Contacts at: A:a9,a11,a15,a17,a19,a21,a22,a31,a32; B:b4-b11,b20,b23,b32; C:c9,c31,c32
Color - Resin	Natural
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	High Temperature Thermoplastic
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
Pitch - Mating Interface (mm)	2.54 mm
Pitch - Term. Interface (in)	0.100 In
Pitch - Term. Interface (mm)	2.54 mm

EU RoHS

Compliance Status

Not Reviewed

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](#)

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
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	2.5A
Data Rate	622.0 Mbps
Voltage - Maximum	250V AC (RMS)

Material Info

Reference - Drawing Numbers

Product Specification	PS-85003-0001
Sales Drawing	SD-85003-7031

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A = 9 STANDARD CONTACTS	L = 3
B = 11 STANDARD CONTACTS	L = 3
C = 3 STANDARD CONTACTS	L = 3
S = 23 TOTAL NUMBER OF CONTACTS	

MARKING	STANDARD
PERFORMANCE LEVEL	G2/0 = CONTACT AREA LEVEL2 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	YES
DIMENSIONS	SD-850Q3-0001 SHT 6

C	G2/0	c9,3,1,32
B	G2/0	b4-11,20,23,32
A	G2/0	a9,11,15,17,19,21,22,31,32
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

EC NO. 1 2003-XXXX DENMARK 09/09/03 CHINA G.L. 09/09/03 APPROVAL 09/09/03		QUALITY SYMBOLS MAJOR CRITICAL	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	DIMENSIONS:			SHIT	REV	
				mm	INCH	mm		mm	INCH	mm	ONLY	ON	ONLY
			4 PLACES	± 0.1	$\pm .$	DRAWN BY & DATE		TITLE: 96 POS MALE CONNECTOR ACCORDING DIN 4162 STYLE C CONTACTS ARRANGEMENT (HIGH TEMP)	MOLEX INCORPORATED	MATERIAL NO. SD-85003-7031.50	DRAWING NO. SD-85003-7031	SHEET NO. 1 OF 1	SIZE
			2 PLACES	± 0.1	$\pm .$	CHECKED BY & DATE							
A	REV	DESCRIPTION	1 PLACE	± 0.1	$\pm .$	APPROVED BY & DATE G.L. 09/09/03							
			ANGULAR $\pm$		CAD FILENAME								
					SD-85003-7031.50								
			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.								