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Part Number: [0850030177](#)
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612 Header, Style C, Right Angle, Through Hole, 0.6µm (24µ") Selective Gold (Au), 96 Circuits, Lead free

Documents:
[3D Model](#) [Product Specification PS-85003-0001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

General

Product Family Backplane Connectors
Series [85003](#)
Application Daughtercard
Component Type PCB Header
Overview [din_41612](#)
Product Name IEC 603-2/DIN 41612
Style C

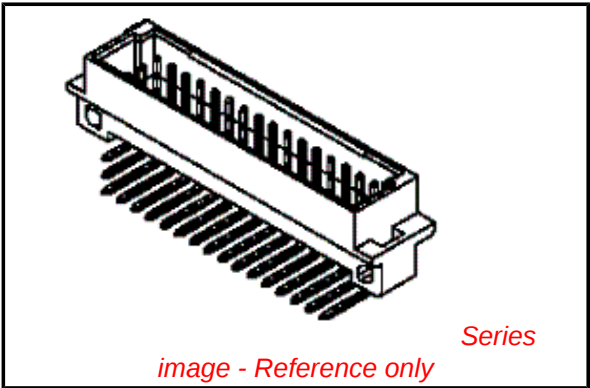
Physical

Circuits (Loaded) 96
Circuits (maximum) 96
Durability (mating cycles max) 400
First Mate / Last Break No
Flammability 94V-0
Guide to Mating Part No
Keying to Mating Part Yes
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 Tray
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
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)

Solder Process Data



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](#)

Mates With
[85042](#) DIN 41612 Receptacle. [85052](#) DIN 41612 Header

Lead-free Process Capability

Wave Capable (TH only)

Material Info

Old Part Number

96P-6033-072V-0

Reference - Drawing Numbers

Packaging Specification

PK-85003-001

Product Specification

PS-85003-0001

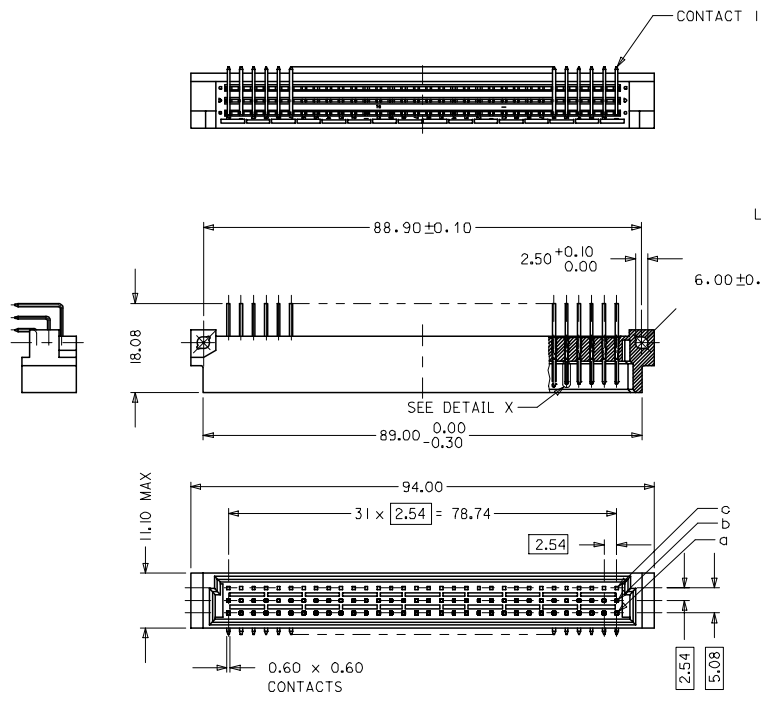
Sales Drawing

SD-85003-0001, SD-85003-0177

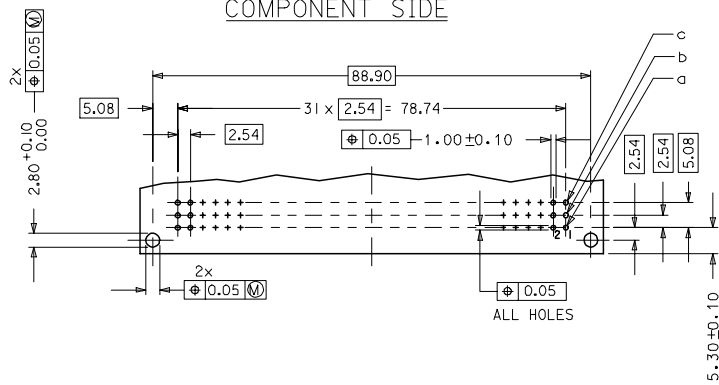
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20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



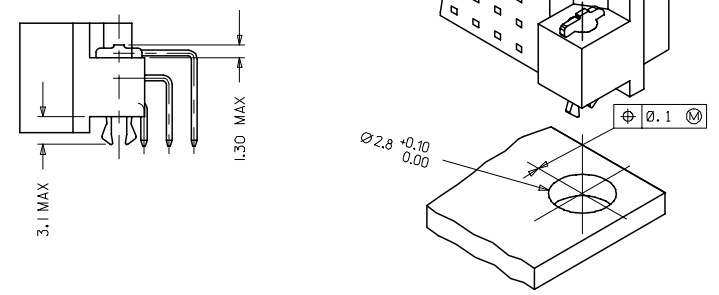
RECOMMENDED PCB LAYOUT
COMPONENT SIDE



LMFB CONTACTS	4.2
FMLB CONTACTS	5.4
NORMAL CONTACTS	4.8
	M

WITH MOUNTING CLIPS

8:1



- NOTES:
- 1) MATERIALS: THERMOPLASTIC POLYESTER, GLASS FILLED, UL94V-0, COLOUR: PEBBLE GREY RAL 7032
TERMINAL - BRASS
MOUNTING CLIP: STEEL
 - 2) FINISH: CONTACT AREA
 1. PERFORMANCE LEVEL 1: SELECTIVE GOLD (Au), THICKNESS = 1.1 MICROMETER OVER NICKEL, THICKNESS = 1.25 MICROMETER
 2. PERFORMANCE LEVEL 2: SELECTIVE GOLD (Au), THICKNESS = 0.6 MICROMETER OVER NICKEL, THICKNESS = 1.25 MICROMETER
 3. PERFORMANCE LEVEL 3: SELECTIVE GOLD (Au), THICKNESS = 0.3 MICROMETER OVER NICKEL, THICKNESS = 1.25 MICROMETERTERMINATION AREA : SELECTIVE TIN, THICKNESS = 2.5 MICROMETER OVER NICKEL, THICKNESS = 1.25 MICROMETER OVERALL
 - 3) MOUNTING CLIP:-
TIN (Sn), THICKNESS = 5-10 MICROMETER,
OVER NICKEL (Ni), THICKNESS = 2.5 MICROMETER
 - 4) FOR NON MOUNTING CLIP OPTION, CONNECTOR TO BE SECURED WITH
RIVETS: 2 TUBULAR RIVETS 2.5 x 0.3 ... DIN 7340
SCREWS: 2 CHEESEHEAD SCREWS M2.5 x DIN 84 AND 2 HEXAGONAL NUTS M2.5 DIN 934
 - 5) STANDARD MARKING : MOLEX, MATERIAL NUMBER, BATCH CODE
 - 6) CUT FACE OF TIP WITHOUT PLATING PERMITTED
 - 7) PRODUCT SPECIFICATION PS : 85003-0001

RoHS COMPLIANT

ENTER DESCRIPTION EC NO: 12007-0193 DRAWING NO: 2007/01/08 CHKD: SUBIR APPR: PRASAD	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION				
			mm	INCH	DRAWN BY	DATE	TITLE						
			4 PLACES ± 0.05	± 0.05	SS	1999/09/09	ASSEMBLY, DIN 41612 C MALE 96 POS						
			3 PLACES ± 0.1	± 0.1	GJLOWE	1999/09/09							
			2 PLACES ± 0.15	± 0.15	GJLOWE	1999/09/09	MOLEX INCORPORATED						
			1 PLACE ± 0.15	± 0.15	GJLOWE	1999/09/09							
			ANGULAR ± 2 °		MATERIAL NO.		DOCUMENT NO.						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-85003-0001			SHEET NO. 1 OF 12			
					SIZE A1	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

A = 32 STANDARD CONTACTS	L = 3
B = 32 STANDARD CONTACTS	L = 3
C = 32 STANDARD CONTACTS	L = 3
S = 96	TOTAL NUMBER OF CONTACTS

C	G2/0	c1-32
B	G2/0	b1-32
A	G2/0	a1-32
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

2d-border.DGN REV A
96/06/12 LEVEL 6