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Part Number: [0850030127](#)
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), 64 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

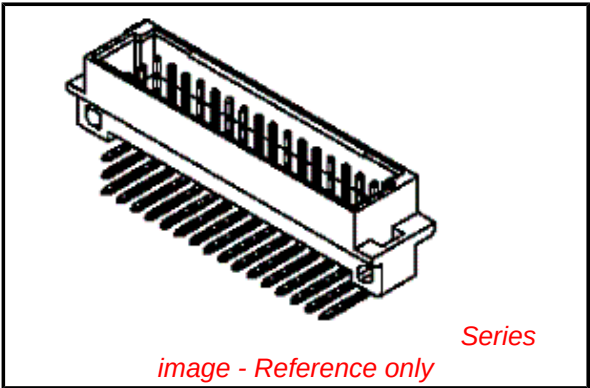
Physical

Circuits (Loaded) 64
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 2.5A
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

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Wave Capable (TH only)
Process Temperature max. C	260

Material Info

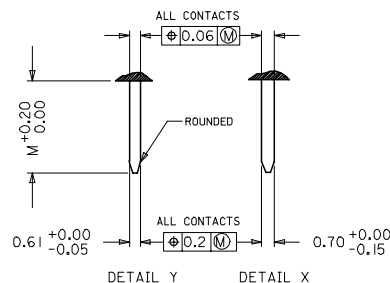
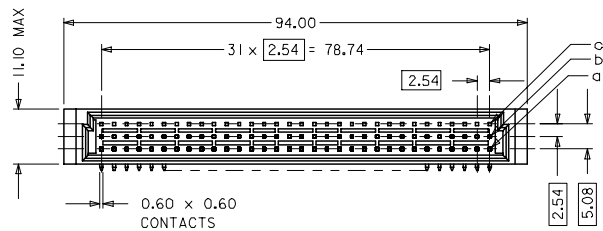
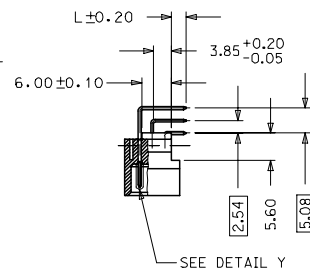
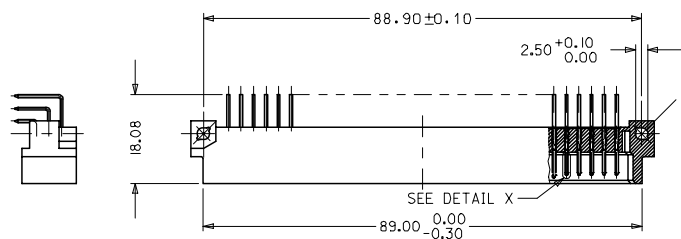
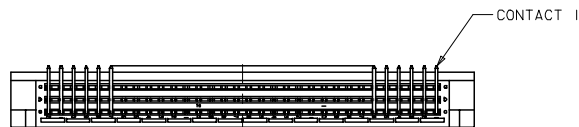
Old Part Number	96P-6033-52V-0
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Reference - Drawing Numbers

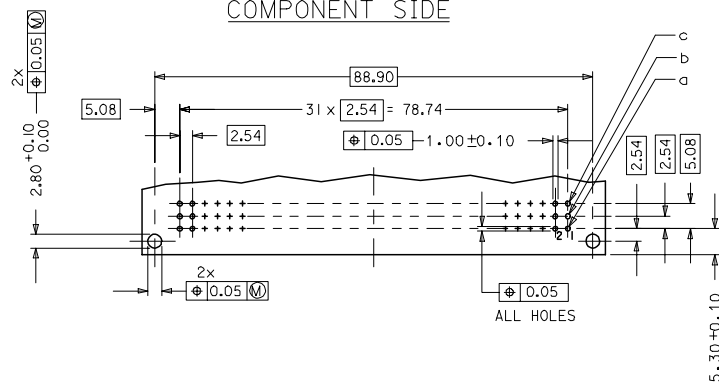
Packaging Specification	PK-85003-001
Product Specification	PS-85003-0001
Sales Drawing	SD-85003-0001, SD-85003-0127

This document was generated on 05/17/2010

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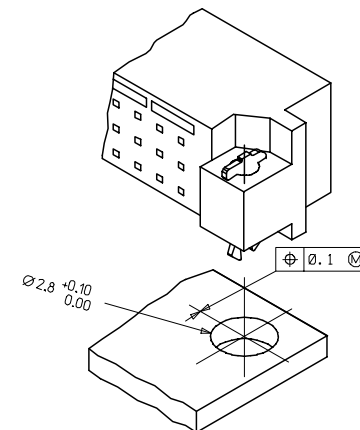
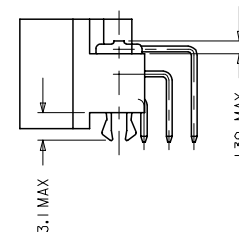
RECOMMENDED PCB LAYOUT COMPONENT SIDE



LMFB	CONTACTS	4.2
FMLB	CONTACTS	5.4
NORMAL	CONTACTS	4.8
		M

WITH MOUNTING CLIPS

8:1



NOTES:

- MATERIALS: THERMOPLASTIC POLYESTER, GLASS FILLED, UL94V-0, COLOUR: PEBBLE GREY RAL 7032
TERMINAL - BRASS
MOUNTING CLIP: STEEL
- FINISH: CONTACT AREA
 - PERFORMANCE LEVEL 1: SELECTIVE GOLD (Au), THICKNESS = 1.1 MICROMETER OVER NICKEL, THICKNESS = 1.25 MICROMETER
 - PERFORMANCE LEVEL 2: SELECTIVE GOLD (Au), THICKNESS = 0.6 MICROMETER OVER NICKEL, THICKNESS = 1.25 MICROMETER
 - 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
- MOUNTING CLIP:-
TIN (Sn), THICKNESS = 5-10 MICROMETER,
OVER NICKEL (Ni), THICKNESS = 2.5 MICROMETER
- 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
- STANDARD MARKING: MOLEX, MATERIAL NUMBER, BATCH CODE
- CUT FACE OF TIP WITHOUT PLATING PERMITTED
- PRODUCT SPECIFICATION PS : 85003-0001

RoHS COMPLIANT

ENTER DESCRIPTION ECN NO: 2007-0093 DRAWN BY: JMS/RENG 2007/01/08 CHKD: SJS/SHIR 2007/01/08 APPROVED: ARAH 2007/01/09	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
				DRAWN BY	DATE	TITLE	ASSEMBLY, DIN 41612			
		4 PLACES ± 0.05		SS	1999/09/09	C MALE				
		3 PLACES ± 0.1		GJLOWE	1999/09/09	96 POS				
		2 PLACES ± 0.15		APPROVED BY	DATE	MOLEX INCORPORATED				
		1 PLACE ± 0.25		GJLOWE	1999/09/09	MOLEX INCORPORATED				
		ANGULAR ± 2 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
		DRAFT WHERE APPLICABLE		SEE CHART		SD-85003-0001		1 OF 12		
		MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
		SIZE A1								

A = 32 STANDARD CONTACTS L = 3
C = 32 STANDARD CONTACTS L = 3
S = 64 TOTAL NUMBER OF CONTACTS

MARKING	STANDARD
PERFORMANCE LEVEL	G2/O = CONTACT AREA LEVEL2 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	NO
DIMENSIONS	SD-85003-0001 SHT 1

C	G2/O	c1-32
A	G2/O	a1-32
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

EC NO. I. 2004-0056 CHRYN G.S. 12/08/03 DRAWG. N.S. 12/08/03 APPR. G.S. 12/08/03	QUALITY SYMBOLS MAJOR CRITICAL	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	DIMENSIONS:			SHIT	REV	
								mm	inch	mm ONLY	ON	CAD ONLY
		mm	INCH	DRAWN BY & DATE								
		4 PLACES $\pm 0.$	$\pm$	S.S. 14/09/1999								
		3 PLACES ± 0.05	$\pm$	CHECKED BY & DATE				TITLE 64 POS MOLE CONNECTOR				
		2 PLACES ± 0.1	$\pm$	G.L. 14/09/1999				ACCORDING DIN 4162 STYLE C				
		1 PLACE ± 0.15	$\pm$	APPROVED BY & DATE				CONTACTS ARRANGEMENT				
				G.L. 14/09/1999				MOLEX INCORPORATED				
				ANGULAR $\pm 2^\circ$								
						CAD FILENAME	850003-0127.50	REVISION NO.	DRAWING NO.	SHEET NO.		
				SD-850003-0127.50	MSK003-0127		SD-850003-0127	1 OF 1				
B	REV	DRAFT HERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.					SIZE	

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<http://moschip.ru/get-element>

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

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