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**Part Number:** [0850030646](#)  
**Status:** **Active**  
**Overview:** [din\\_41612](#)  
**Description:** 2.54mm (.100") Pitch DIN 41612 Header, Right Angle, Through Hole, Style C, 0.6µm (24µ") Selective Gold (Au), 64 Circuits, Lead free

**Documents:**

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Drawing \(PDF\)](#)

**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 Yes  
 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](mailto: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](#) , [85052](#) Backplane Header

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

### **Material Info**

### **Reference - Drawing Numbers**

Packaging Specification	PK-85003-001
Sales Drawing	SD-85003-0646

This document was generated on 05/17/2010

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VIEW ON MATING SIDE

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	1
C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Z	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	Z	

A = 30 FMLB CONTACTS L=3  
 C = 32 FMLB CONTACTS L=3  
 Z = 2 FMLB CONTACTS +0.6 L=3  
 S = 64 TOTAL NUMBER OF CONTACTS

MARKING	STANDARD
PERFORMANCE LEVEL	G2/0 = CONTACT AREA LEVEL2 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	NO
DIMENSIONS	SD-85003-0001 SHT 1

Z	G2/0	a1, 32
C	G2/0	a1-32
A	G2/0	a2-31
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

EC NO: I2008-0436 DRWN: SJ 2008/05/14 CHKD: KPRASAD 2008/05/14 APPR: KPRASAD 2008/05/14 REV A1	QUALITY SYMBOLS = =	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± .005</td> <td>± .0008</td> </tr> <tr> <td>3 PLACES</td> <td>± .005</td> <td>± .0008</td> </tr> <tr> <td>2 PLACES</td> <td>± .005</td> <td>± .0008</td> </tr> <tr> <td>1 PLACE</td> <td>± .005</td> <td>± .0008</td> </tr> <tr> <td colspan="3">ANGULAR ± .005°</td> </tr> </table>		mm	INCH	4 PLACES	± .005	± .0008	3 PLACES	± .005	± .0008	2 PLACES	± .005	± .0008	1 PLACE	± .005	± .0008	ANGULAR ± .005°			DIMENSION STYLE MM ONLY DRAWN BY DATE N.S 1999/09/03 CHECKED BY DATE G.L 1999/09/03 APPROVED BY DATE G.L 1999/09/03	SCALE 1:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE 96 POS. MALE CONNECTOR ACC. DIN 41612 STYLE C CONTACTS ARRANGE MOLEX INCORPORATED	MATERIAL NO. 850030646 DOCUMENT NO. SD-85003-0646 SHEET NO. 1 OF 1
		mm	INCH																					
	4 PLACES	± .005	± .0008																					
	3 PLACES	± .005	± .0008																					
2 PLACES	± .005	± .0008																						
1 PLACE	± .005	± .0008																						
ANGULAR ± .005°																								
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																						