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Part Number: [0850010373](#)
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612 Header, Style B/2, Right Angle, Through Hole, 0.6µm (24µ") Selective Gold (Au), 16 Circuits

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

Agency Certification

CSA LR19980
UL E29179

General

Product Family Backplane Connectors
Series [85001](#)
Application Daughtercard
Component Type PCB Header
Overview [din_41612](#)
Product Name IEC 603-2/DIN 41612
Style B/2

Physical

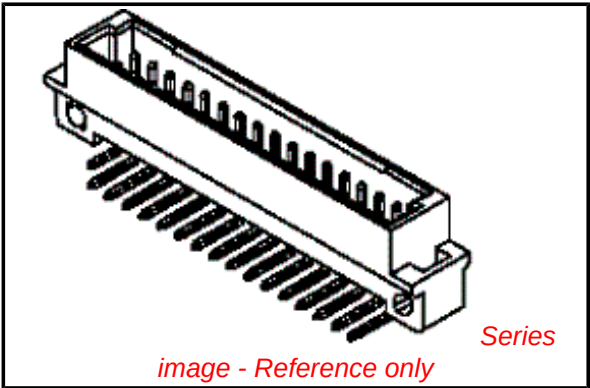
Circuits (Loaded) 16
Circuits (maximum) 32
Durability (mating cycles max) 400
First Mate / Last Break No
Flammability 94V-0
Guide to Mating Part No
Keying to Mating Part Yes
Number of Columns 16
Number of Pairs Open Pin Field
Number of Rows 2
Orientation Right Angle
PC Tail Length (in) 0.118 In
PC Tail 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 Bag
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
Temperature Range - Operating -55°C to +125°C
Termination Interface: Style Through Hole

Electrical

Current - Maximum per Contact 1.5A
Data Rate 622.0 Mbps
Voltage - Maximum 250V AC (RMS)

Material Info

Reference - Drawing Numbers



EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Not Reviewed
**Halogen-Free
Status**

China RoHS



**Need more information on product
environmental compliance?**

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

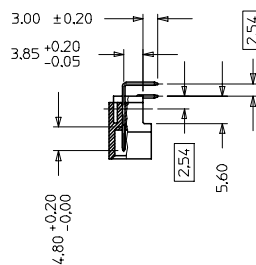
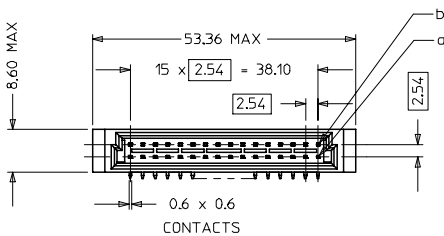
Please visit the [Contact Us](#) section for any
non-product compliance questions.

Search Parts in this Series
[85001Series](#)

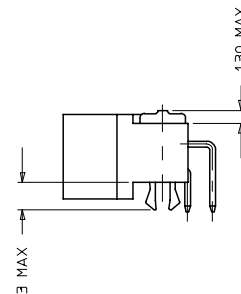
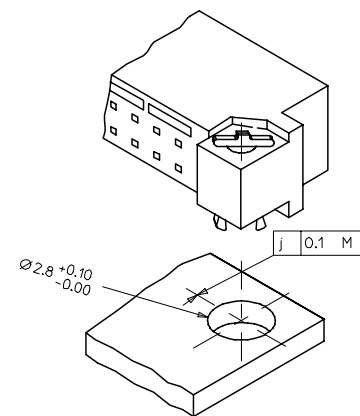
Mates With
DIN 41612 Receptacle [85040](#) , [85050](#)

This document was generated on 05/17/2010

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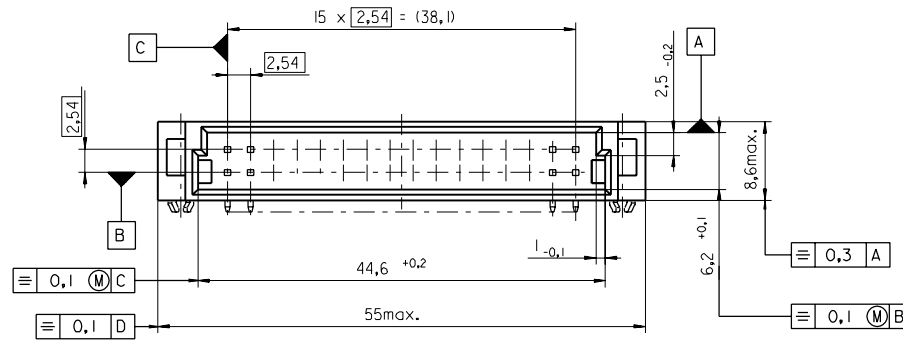
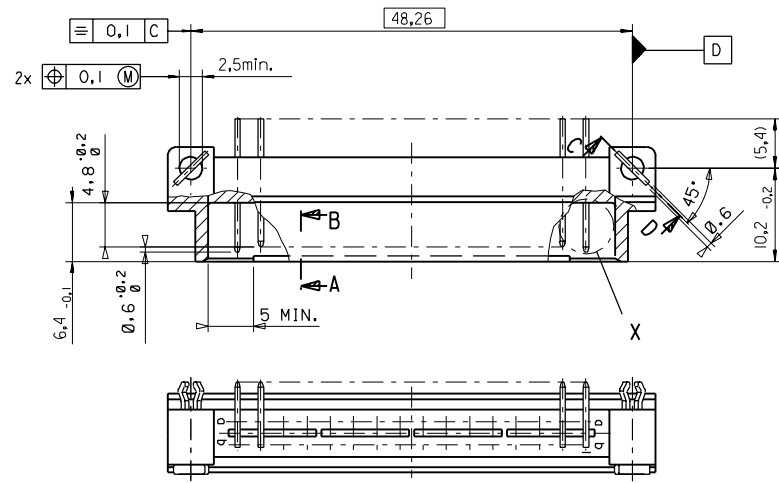


1) MATERIALS: THERMOPLASTIC POLYESTER, GLASS FILLED, UL94V-0
COLOUR: PEBBLE GREY, RAL 7032

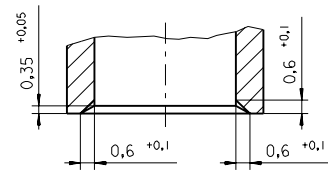
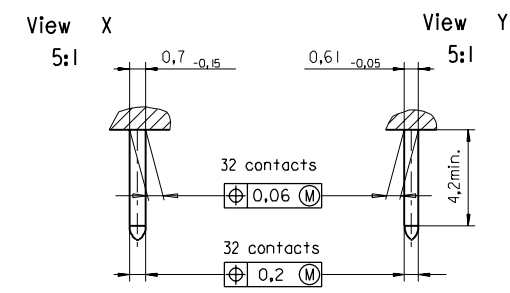
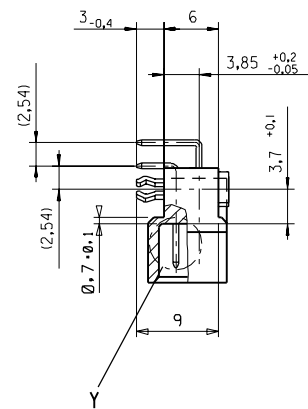
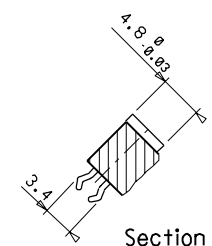
- TERMINAL - BRASS
MOUNTING CLIP: STEEL
- 2) FINISH: TERMINAL:-
CONTACT AREA
1. PERFORMANCE LEVEL 1: SELECTIVE GOLD (Au), THICKNESS = 1.1 MICROMETER
OVER NICKEL, THICKNESS = 1.25 MICROMETER
 2. PERFORMANCE LEVEL 2: SELECTIVE GOLD (Au), THICKNESS = 0.6 MICROMETER
OVER NICKEL, THICKNESS = 1.25 MICROMETER
 3. PERFORMANCE LEVEL 3: SELECTIVE GOLD (Au), THICKNESS = 0.3 MICROMETER
OVER NICKEL, THICKNESS = 1.25 MICROMETER
- TERMINATION 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 DN 934
- 5) STANDARD MARKING: MOLEX, MATERIAL NUMBER, BATCH CODE
- 6) CUT FACES OF TIP WITHOUT PLATING IS PERMITTED
- 7) PRODUCT SPECIFICATION PS : 85003-0001

RoHS COMPLIANT

ENTER DESCRIPTION EC NO: 2007-0093 DFWMSJL9RNG CHFKDSSJCHH APPPS-KRASA0 2007/01/08 2007/01/08 2007/01/09	QUALITY SYMBOLS  	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
		mm INCH		DRAWN BY DATE		TITLE		ASSEMBLY, DIN 41612 B/2 MALE 32 POS
		4 PLACES ± .005 ± .005 3 PLACES ± .005 ± .005 2 PLACES ± .01 ± .01 1 PLACE ± .05 ± .05		NS 2001/04/02 CHECKED BY DATE GJLOWE 2001/04/02				
		ANGULAR ± 2 °		APPROVED BY DATE GJLOWE 2001/04/02		 MOLEX INCORPORATED		
B1	NEW	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-85001-0002		SHEET NO. 1 OF 2
				SIZE A1 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



Section A - B
5:1



Section C - D

FIRST ANGLE PROJECTION				REVISE ONLY ON CAD SYSTEM				SH.	REV.		
first release see ECN No. 1887	REVISIONS	FOR PREVIOUS REVISIONS SEE MAT LIST	UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR $\pm 2^\circ$		DRWG BY	SIGN	CAD/CAM PROJECT NAME		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
			INCH METRIC		Ca	CHK'D BY	KN	TITLE	32 pos. Male connector acc. DIN 41612 style B/2 Dimensions		
			3 PLACE $\pm$. $\pm$								
			2 PLACE $\pm$. $\pm$								
			1 PLACE $\pm$. $\pm$		APP'D BY	SIGN	molex MOLEX EUROPE		SHEET NO. DATE		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						1 OF 95/06/06		
DESIGN DIMENSION ☒ MM ☐ IN.		SCALE									
A	LTR	REVISIONS	EQUIVALENT DIMENSION ☐ MM ☐ IN.		2:1		PART NO.		DWG NO.		SIZE
			IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY		SDA-85001-0002		B				

A = 8 STANDARD CONTACTS L=3

B = 8 STANDARD CONTACTS L=3

$S = 16$ TOTAL NUMBER OF CONTACTS

Marking	Standard
Performance level	G2/0 = Contact area level2 / Termination tin
Flux proof	no
Fixing clip	no
Dimensions	SDA-85001-0002 sht.1
TechnicalData	PS-85003-0001

B	G2/O	b2,4,6,8,10,12,14,16	
A	G2/O	a2,4,6,8,10,12,14,16	
Contact symbol	Per form.		Contact position number
B			

C	see ECN No. 2204	96/07/18 Cd	REVISIONS		FOR PREVIOUS REVISIONS SEE MRL LIST		UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR $\pm 2^\circ$		DRWG BY	SIGN	SIGN	REVISION ONLY ON CAD SYSTEM				SH.	REV.	
			INCH		METRIC		CAD/CAM PROJECT NAME					THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
			3 PLACE $\pm$.		3 PLACE $\pm$.		s8500103 s71											
			2 PLACE $\pm$.		2 PLACE $\pm$.													
			1 PLACE $\pm$.		1 PLACE $\pm$.													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										APP'D BY	SIGN	32 pos. Male connector acc. DIN 41612 style B/2 contacts arrangement				TITLE		
DESIGN DIMENSION										☐ MM	☐ IN.	SCALE	MOLEX [®] MOLEX EUROPE		SHEET NO.	DATE	DWG NO.	SIZE
EQUIVALENT DIMENSION										☐ MM	☐ IN.		PART NO.	85001 - 0373	1 OF 1	95/05/23		
IF TWO DIMENSIONS ARE SHOWN, THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY										SDA -85001-0373								