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Part Number: [0850420191](#)
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612 Receptacle, Style C, 64 Circuits

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

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Backplane Connectors
Series	85042
Application	Daughtercard
Component Type	PCB Receptacle
Overview	din_41612
Product Name	IEC 603-2/DIN 41612
Style	C

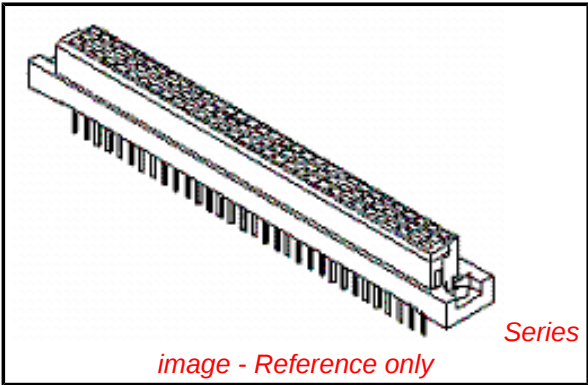
Physical

Circuits (Loaded)	64
Circuits (maximum)	96
Circuits Detail	Rows A & C
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	32
Number of Pairs	Open Pin Field
Number of Rows	3
Orientation	Vertical
PC Tail Length (in)	0.177 In
PC Tail Length (mm)	4.50 mm
PCB Locator	No
PCB Retention	Yes
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
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +125°C

Electrical

Current - Maximum per Contact	2.5A
Data Rate	622.0 Mbps
Real Signals (per 25mm)	29
Shielded	No
Voltage - Maximum	250V AC (RMS)

Material Info



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
[85042Series](#)

Mates With
DIN 41612 Headers [85003](#) , [85013](#)

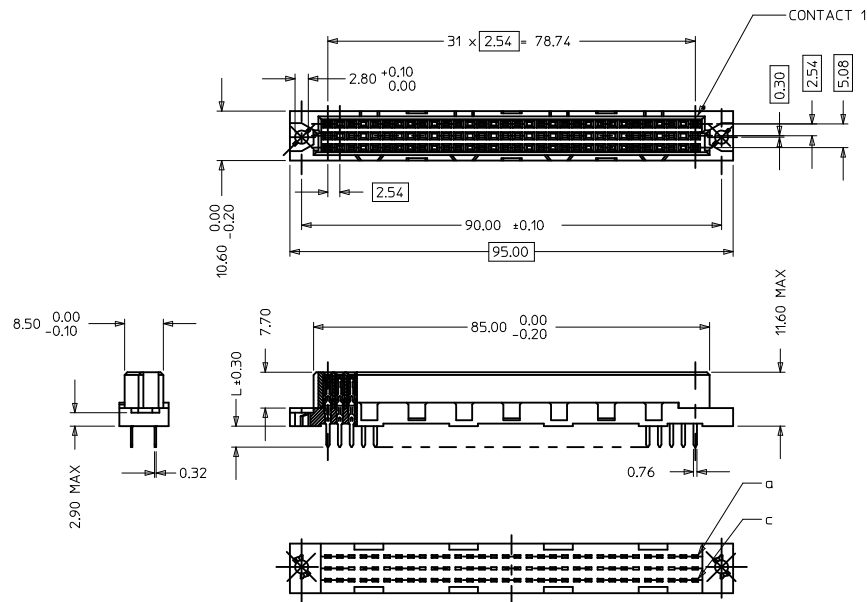
Reference - Drawing Numbers

Sales Drawing

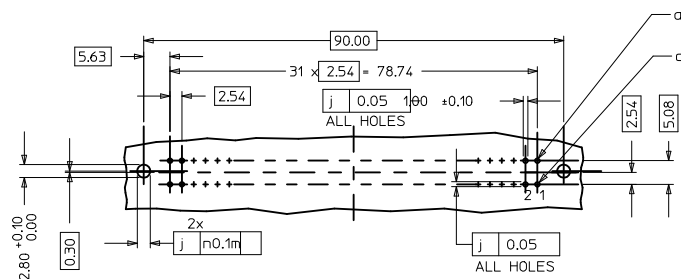
SD-85042-001

This document was generated on 05/17/2010

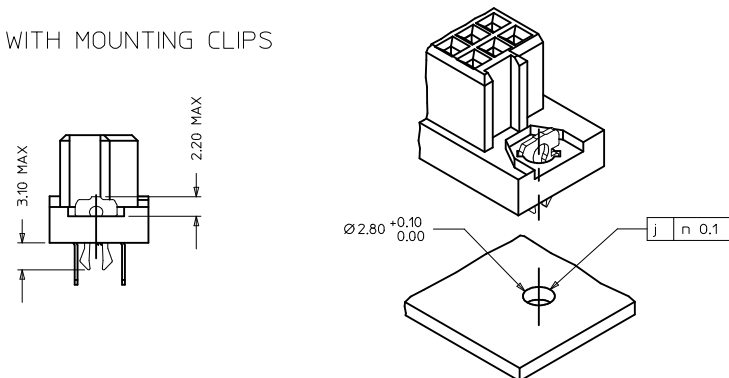
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RECOMMENDED PCB LAYOUT COMPONENT SIDE



WITH MOUNTING CLIPS



NOTES:

- MATERIALS: THERMOPLASTIC POLYESTER, GLASS FILLED, UL94V-0, COLOUR: PEBBLE GREY RAL 7032
TERMINAL - PHOSPHOR BRONZE
MOUNTING CLIP: STEEL
- FINISH: TERMINAL:-
CONTACT AREA
A. PERFORMANCE LEVEL 1: SELECTIVE GOLD (Au), THICKNESS = 1.27 MICROMETER OVER NICKEL
THICKNESS = 1.8 MICROMETER
B. PERFORMANCE LEVEL 2: SELECTIVE GOLD (Au), THICKNESS = 0.8 MICROMETER OVER NICKEL
THICKNESS = 1.8 MICROMETER
C. PERFORMANCE LEVEL 3: SELECTIVE GOLD (Au), THICKNESS = 0.3 MICROMETER OVER NICKEL
THICKNESS = 1.8 MICROMETER
TERMINATION AREA:
SELECTIVE TIN, THICKNESS = 5 MICROMETER OVER NICKEL, THICKNESS 1.8 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 TABULAR 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.
- MATERIAL No, BATCH CODE, UL AND CSA MARKING TO BE PRINTED ON THE CONNECTOR.
- CUT FACES OF TIP WITHOUT PLATING PERMITTED.

EC NO: I2010-0265 DRWNS01 CHKD:KRASAD APPR:KRASAD 2009/12/11 2009/12/28 2010/01/06	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
			mm	INCH	DRAWN BY PRASHANT	DATE 2004/12/07	TITLE ASSEMBLY, DIN 41612 C FEMALE, 96 POS MOLEX MOLEX INCORPORATED			
			4 PLACES ± ---	± ---	CHECKED BY SSUDHIR	DATE 2004/12/07				
			3 PLACES ± 0.005	± ---						
			2 PLACES ± 0.1	± ---						
1 PLACE ± 0.15	± ---	APPROVED BY SSUDHIR	DATE 2004/12/07							
			ANGULAR ± 2 °		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-85042-001		SHEET NO. 1 OF 2	
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							

