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Part Number: [0850420048](#)
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612 Receptacle, Style C/2, 32 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/2

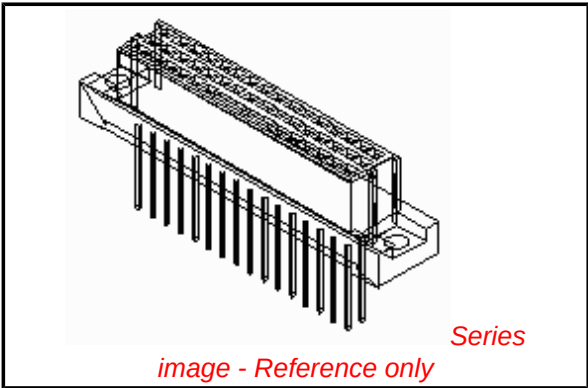
Physical

Circuits (Loaded) 32
Circuits (maximum) 48
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 16
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
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
[85042Series](#)

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

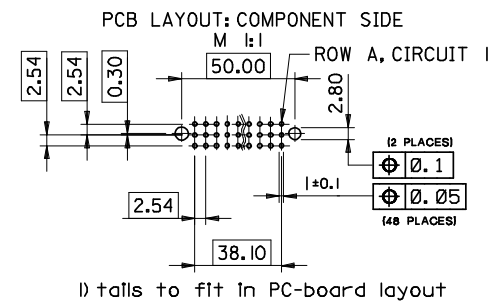
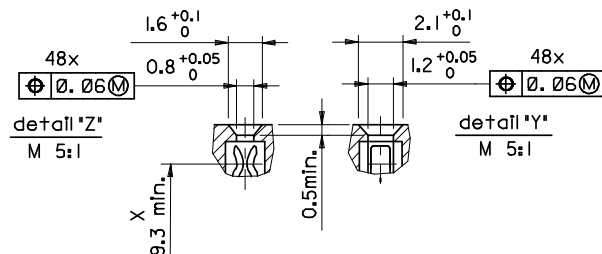
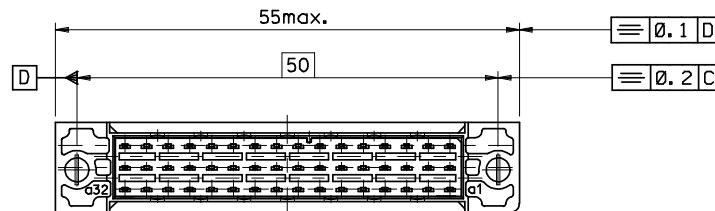
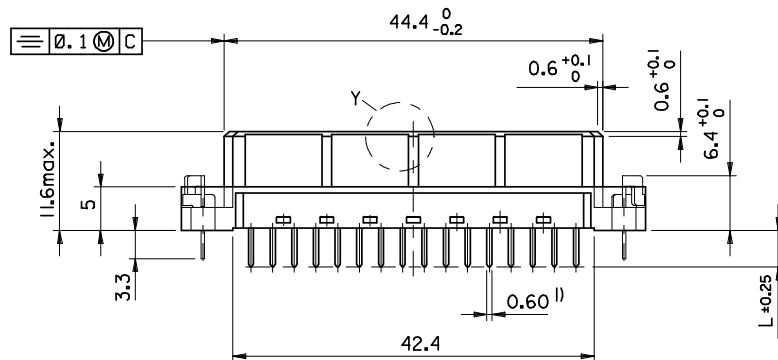
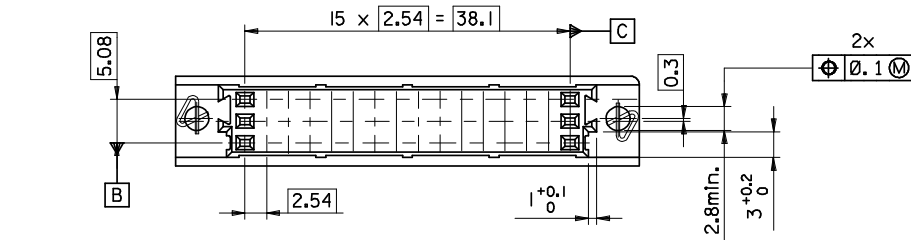
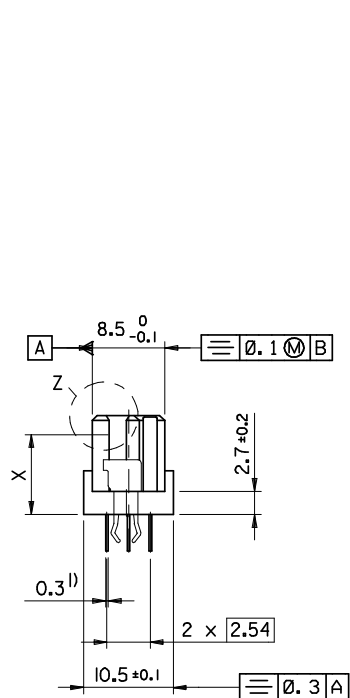
Reference - Drawing Numbers

Sales Drawing

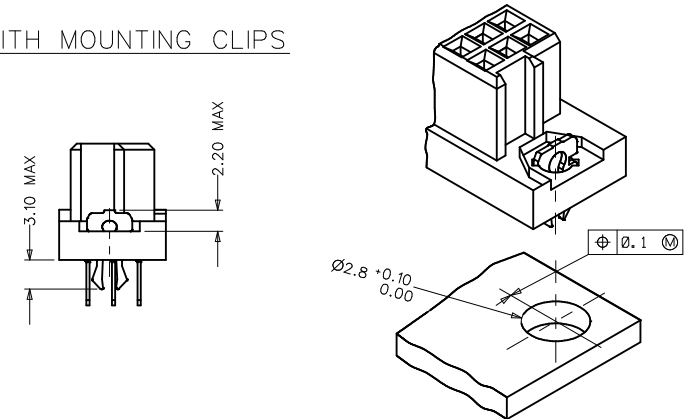
SD-85042-0002, SD-85042-002

This document was generated on 05/17/2010

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ENTER DESCRIPTION		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO: 12009-0082		DRAWN BY		mm		MM ONLY		---		METRIC			
2008/08/20		SUMESH		INCH		DRAWN BY		DATE		TITLE			
2008/08/25		KPRASAD		4 PLACES ±---		CHECKED BY		DATE		48 POS. FEMALE CONNECTOR			
2008/08/26		KPRASAD		3 PLACES ±---		APPROVED BY		DATE		DIN 41612, STYLE C/2			
				2 PLACES ±---		KPRASAD		2008/08/13		DIMENSIONS			
				1 PLACE ±---		KPRASAD		2008/08/13		MOLEX INCORPORATED			
				ANGULAR ±---°		MATERIAL NO.		DOCUMENT NO.					
				DRAFT WHERE APPLICABLE		850426115		SD-85042-0002					
				MUST REMAIN WITHIN DIMENSIONS		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
						A2							



- 1) MATERIALS: THERMOPLASTIC POLYESTER, GLASS FILLED,
UL94V-0. COLOUR: PEBBLE GREY RAL 7032
TERMINAL - PHOSPHOR BRONZE
MOUNTING CLIP: STEEL
- 2) FINISH: TERMINAL:-
CONTACT AREA
 1. PERFORMANCE LEVEL 1: SELECTIVE GOLD (Au), THICKNESS = 1.1 MICROMETER
OVER NICKEL, THICKNESS = 1.5 MICROMETER
 2. PERFORMANCE LEVEL 2: SELECTIVE GOLD (Au), THICKNESS = 0.6 MICROMETER
OVER NICKEL, THICKNESS = 1.5 MICROMETER
 3. PERFORMANCE LEVEL 3: SELECTIVE GOLD (Au), THICKNESS = 0.3 MICROMETER
OVER NICKEL, THICKNESS = 1.5 MICROMETERTERMINATION AREA:
SELECTIVE TIN, THICKNESS = 5 MICROMETER
OVER NICKEL, THICKNESS = 1.5 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) MATERIAL No, BATCH CODE, UL AND CSA MARKING TO BE PRINTED ON THE CONNECTOR.
- 6) CUT FACES OF TIP WITHOUT PLATING PERMITTED.
- 7) PRODUCT SPECIFICATION PS-85042-0001

RoHS COMPLIANT

ENTER DESCRIPTION EC NO: 12010-0293 DFDWNRQJMAR 2009/12/01 CH1CK4DPRASAO 2010/03/17 APPR:KPRASAO 2010/03/17		QUALITY SYMBOLS ▼=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES + ± .005 --- 3 PLACES + ± .005 --- 2 PLACES + ± .01 --- 1 PLACE + ± .015 --- ANGULAR ± 2°	DIMENSION STYLE MM ONLY DRAWN BY DATE SHANKAR 2006/04/25 CHECKED BY DATE SSUDHIR 2006/04/25 APPROVED BY DATE SSUDHIR 2006/04/25	SCALE 1:1 DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE ASSY DIN41612 C/2 FEMALE 48 POS 1.0MM PCB DIA
REVISION REV 1			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE SHEET 2	DOCUMENT NO. SD-85042-002		 MOLEX INCORPORATED
SIZE A1							
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
M	MATERIAL No	MOLEX ENG No	PERF LEVEL	PLATING	CONTACT SEQUENCE/ROW	DIM "L" mm	MOUNTING CLIP	FLUX PROOF												
	850424294	85042-4294	2	Au+Ni	1,2,3....16 a+b+c	2.9	YES	NO												
	850429025	85042-9025	2	Au+Ni	1,2,3....16 a+b+c	4.5	YES	NO												
	850420048	85042-0048	2	Au+Ni	1,2,3....16 a+c	4.5	NO	NO												
L	850420086	85042-0086	2	Au+Ni	1,2,3....16 a+b+c	4.5	NO	NO												
	850421184	85042-1184	1	Au+Ni	1,2,3....16 a+b+c	2.9	NO	YES												
	850421330	85042-1330	1	Au+Ni	1,2,3....16 a+b+c	4.5	NO	NO												
	850424268	85042-4268	2	Au+Ni	1,2,3....16 a+b+c	2.9	NO	NO												
	850424282	85042-4282	2	Au+Ni	1,2,3....16 a+c	2.9	YES	NO												
K	850426098	85042-6098	3	Au+Ni	1,2,3....16 a+b+c	2.9	NO	NO												
	850429022	85042-9022	2	Au+Ni	1,2,3....16 a+c	2.9	YES	NO												

View on mating side

o	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
d																				
o	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

View on mating side

o	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
d																				
o	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

RoHS COMPLIANT

ENTER DESCRIPTION EC NO: 12010-0293 DRAWN BY: DRMNKRUMAR CHKD BY: CHKD KPRASAD APPRD BY: APPR KPRASAD B1	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION							
		4 PLACES	± ---	± ---	DRAWN BY SHANKAR	DATE 2006/04/25	TITLE ASSY DIN41612 C/2 FEMALE 48 POS 1.0MM PCB DIA								
		3 PLACES	± ---	± ---	CHECKED BY SSUDHIR	DATE 2006/04/25	MATERIAL NO. SD-85042-002								
		2 PLACES	± ---	± ---	APPROVED BY SSUDHIR	DATE 2006/04/25	DOCUMENT NO. SD-85042-002								
1 PLACE		± ---	± ---	ANGULAR ± ---°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A 1	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						