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Part Number: [0850424294](#)
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612 Receptacle, Style C/2, 48 Circuits

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

Agency Certification

CSA LR19980
UL E29179

General

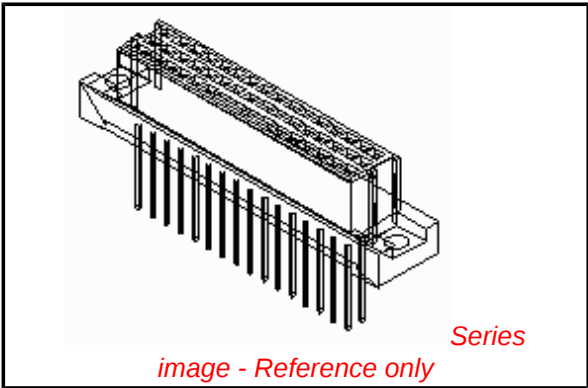
Product Family Backplane Connectors
Series [85042](#)
Application Backplane
Component Type PCB Receptacle
Overview [din_41612](#)
Product Name IEC 603-2/DIN 41612
Style C/2

Physical

Circuits (Loaded) 48
Circuits (maximum) 48
Circuits Detail Rows A, B, & 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) 0.114 In
PC Tail Length (mm) 2.90 mm
PCB Locator No
PCB Retention Yes
PCB Thickness Recommended (in) 0.098 In
PCB Thickness Recommended (mm) 2.50 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
Surface Mount Compatible (SMC) No
Temperature Range - Operating -55°C to +125°C

Electrical

Current - Maximum per Contact 1A
Data Rate 622.0 Mbps
Real Signals (per 25mm) 29
Shielded No



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](#)

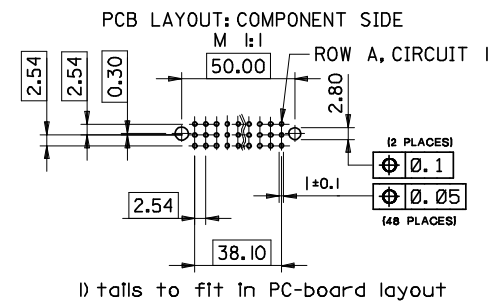
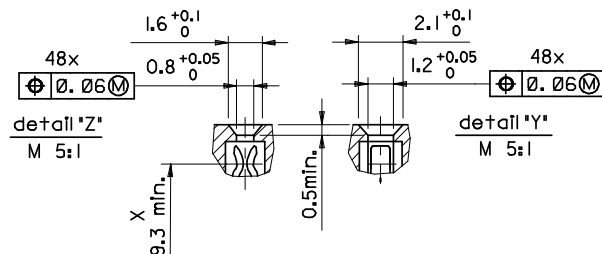
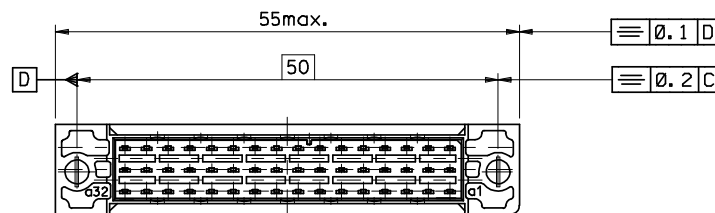
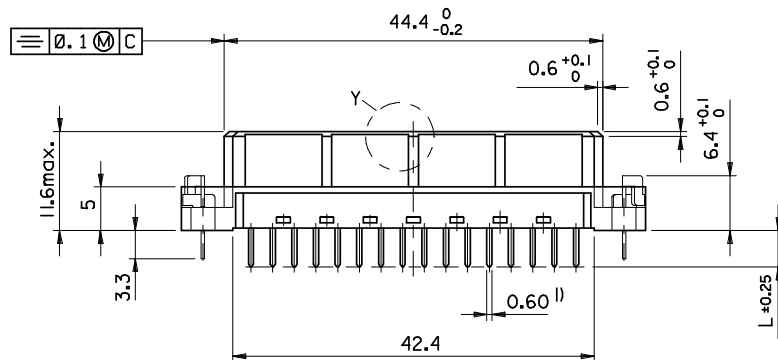
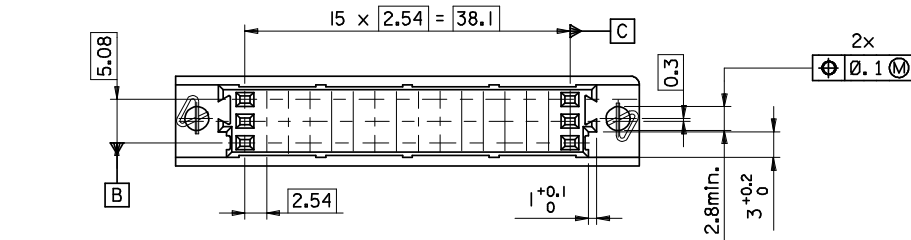
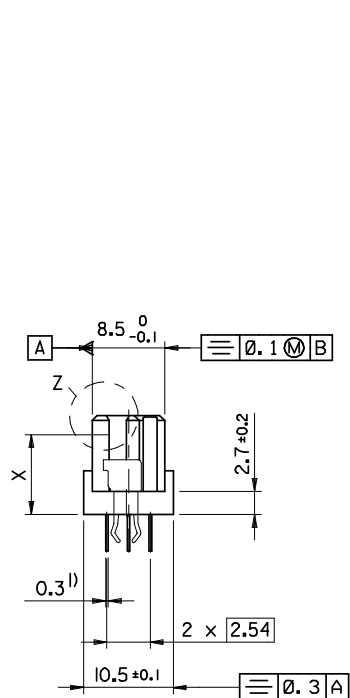
Mates With
DIN 41612 Headers [85003](#) , [85013](#)

Use With
DIN 41612 Header [85003](#) , [85013](#)

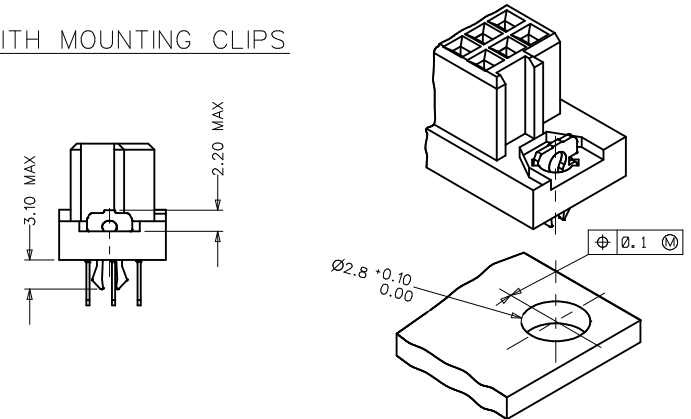
Voltage - Maximum	250V AC (RMS)
Material Info	
Reference - Drawing Numbers	
Sales Drawing	SD-85042-0002, SD-85042-002, SD-85042-4294

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: SUMESH		DATE: 2008/08/13		MM ONLY		---		METRIC		THIRD ANGLE PROJECTION	
DRWNSJ		CHECKED BY: KPRASAD		DATE: 2008/08/13		DRAWN BY: SUMESH		DATE: 2008/08/13		TITLE: 48 POS. FEMALE CONNECTOR		SHEET NO. 1 OF 1	
CHKD:KPRASAD		APPROVED BY: KPRASAD		DATE: 2008/08/13		CHECKED BY: KPRASAD		DATE: 2008/08/13		DIMENSIONS		MATERIAL NO. 850426115	
APPR:KPRASAD		DATE: 2008/08/13		APPROVED BY: KPRASAD		DATE: 2008/08/13		MATERIAL NO. 850426115		DOCUMENT NO. SD-85042-0002		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
REV		DESCRIPTION		ANGULAR ±---°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A2		MATERIAL NO. 850426115		DOCUMENT NO. SD-85042-0002	
C		REV		4 PLACES ±---		3 PLACES ±---		2 PLACES ±---		1 PLACE ±---		MATERIAL NO. 850426115	



- 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 CH1C4D4PRASAO APPR:KPRASAO 2009/12/01 2010/01/17 2010/03/11	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
			4 PLACES + - 3 PLACES + 0.005 - 2 PLACES + 0.1 - 1 PLACE + 0.15 - ANGULAR ± 2 °		DRAWN BY DATE SHANKAR 2006/04/25 CHECKED BY DATE SSUDHIR 2006/04/25 APPROVED BY DATE SSUDHIR 2006/04/25		TITLE ASSY DIN41612 C/2 FEMALE 48 POS 1.0MM PCB DIA		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO.		DOCUMENT NO.		SHEET NO. 1 OF 2	
				SEE SHEET 2 SD-85042-002					
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 2009/12/04 CHKD:KPRASAD 2010/01/27 APPR:KPRASAD 2010/03/11	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				
		2 PLACES	±----	±----	APPROVED BY SSUDHIR	DATE 2006/04/25	MATERIAL NO. SD-85042-002			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
SIZE A 1				SHEET NO. 2 OF 2						

