

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0850429025

Status:

Active

Overview:

[din_41612](#)

Description:

2.54mm (.100") Pitch DIN 41612 Receptacle, Style C/2, 48 Circuits

Documents:	
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

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)	48
Circuits (maximum)	48
Circuits Detail	Rows A, B, & C
Durability (mating cycles max)	400
First Mate / Last Break	No
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	1A
Data Rate	622.0 Mbps
Shielded	No
Voltage - Maximum	250V AC (RMS)
Material Info	
Reference - Drawing Numbers	
Sales Drawing	SD-85042-002

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

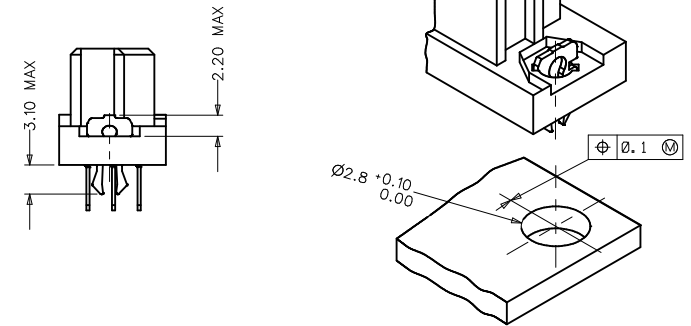
[85042Series](#)

Mates With

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

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

WITH MOUNTING CLIPS

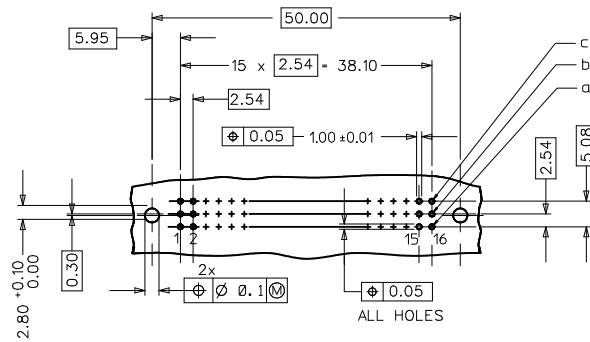


NOTES:

- 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 MICROMETER
TERMINATION 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

RECOMMENDED PCB LAYOUT COMPONENT SIDE



ENTER DESCRIPTION
B1

2009/12/04
2010/01/27
2010/03/11
CHOKKIPRASAD
APPR:KPRASAD

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ± --- ± ---
3 PLACES ± 0.005 ± ---
2 PLACES ± 0.1 ± ---
1 PLACE ± 0.15 ± ---
ANGULAR ± 2 °
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY
DRAWN BY SHANKAR DATE 2006/04/25
CHECKED BY SSUDHIR DATE 2006/04/25
APPROVED BY SSUDHIR DATE 2006/04/25
MATERIAL NO.
SEE SHEET 2
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SCALE 1:1
DESIGN UNITS METRIC
THIRD ANGLE PROJECTION
TITLE ASSY DIN41612 C/2 FEMALE 48 POS 1.0MM PCB DIA
MOLEX INCORPORATED
DOCUMENT NO. SD-85042-002
SHEET NO. 1 OF 2

	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 SHANKAR 2009/12/04 CHKD BY CHOKKIPRASAD 2010/01/27 APPR BY CHOKKIPRASAD 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						