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Part Number:

0850423316

Status:

Active

Overview:

din_41612

Description:

2.54mm (.100") Pitch DIN 41612 Receptacle, Style C, 32 Circuits

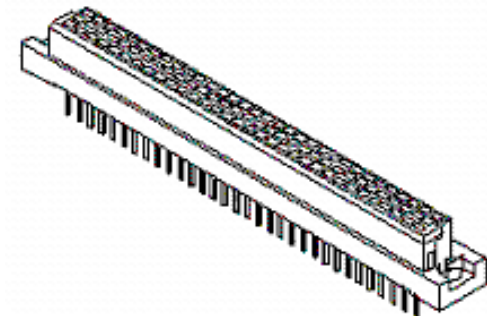


image - Reference only Series

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)	32
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)	0.114 In
PC Tail Length (mm)	2.90 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

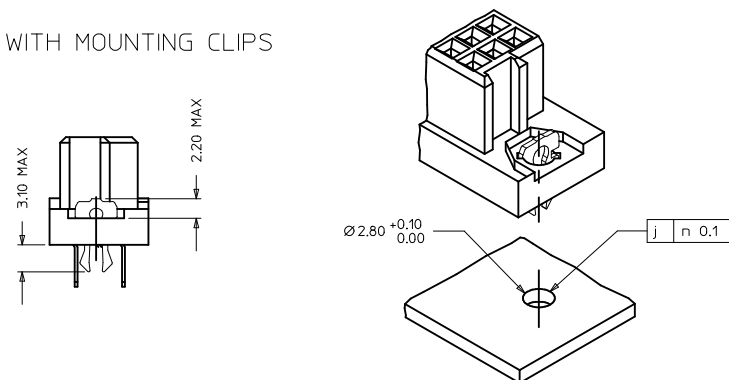
Reference - Drawing Numbers

Sales Drawing

SD-85042-001

This document was generated on 05/17/2010

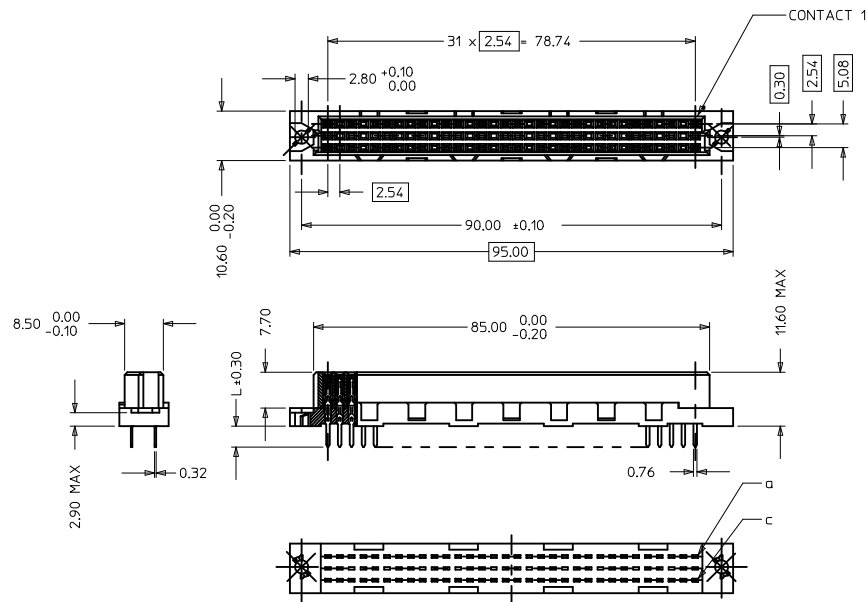
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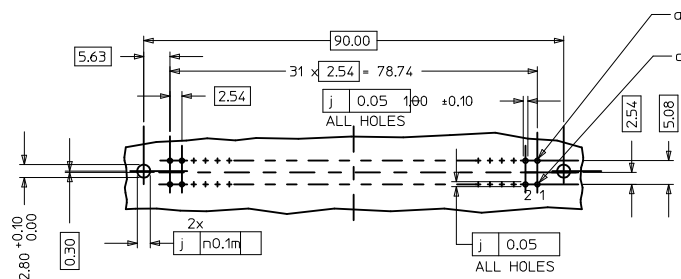
NOTES:

- 1) MATERIALS: THERMOPLASTIC POLYESTER, GLASS FILLED,
UL 94V-0, COLOUR: PEBBLE GREY RAL 7032
TERMINAL - PHOSPHOR BRONZE
MOUNTING CLIP: STEEL
- 2) FINISH: TERMINAL:-
CONTACT AREA
- A. PERFORMANCE LEVEL 1: SELECTIVE GOLD (Au),
THICKNESS = 127 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.
- 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 TABULAR RIVETS 2.5 X 0.3 ...DIN 7340
SCREWS: 2 CHEESEHEAD SCREWS M2.5 X 0.3 ...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.

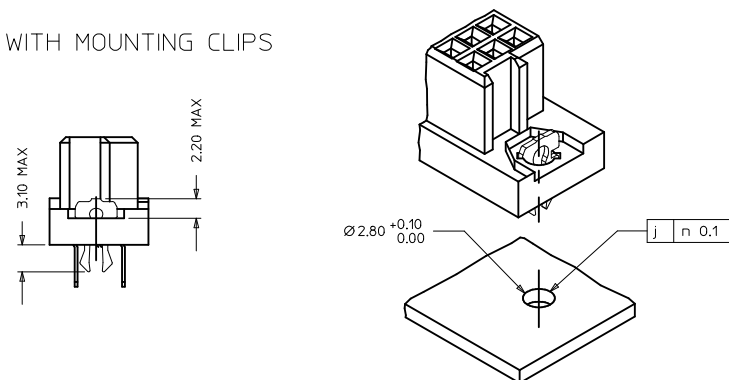
EC NO: 12010-0265 DRWMSNS01 CHKD:KPRASAD APPR:KPRASAD 2009/12/11 2009/12/28 2010/01/06	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION					
				mm	INCH	DRAWN BY PRASHANT	DATE 2004/12/07	TITLE ASSEMBLY, DIN 41612 C FEMALE, 96 POS						
			4 PLACES	± ---	± ---	CHECKED BY SSUDHIR	DATE 2004/12/07	MOLEX MOLEX INCORPORATED						
			3 PLACES	± 0.005	± ---	APPROVED BY SSUDHIR	DATE 2004/12/07							
			2 PLACES	± 0.1	± ---	MATERIAL NO.		DOCUMENT NO.		SHEET NO.				
			1 PLACE	± 0.15	± ---	SIZE A2		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
			ANGULAR ± 2 °		SEE CHART		SD-85042-001		1 OF 2					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS											
			REV											



RECOMMENDED PCB LAYOUT COMPONENT SIDE



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

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.

3). MOUNTING CLIP:

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THICKNESS = 2.5 MICROMETER

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EC NO: 12010-0265 2009/12/11 DRWN: SNS01 CHKD: KRASAD APPR: KRASAD 2009/12/28 2010/01/06	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
								TITLE		ASSEMBLY, DIN 41612 C FEMALE, 96 POS			
				mm		INCH		DRAWN BY PRASHANT		DATE 2004/12/07			
				4 PLACES ± ---		± ---		CHECKED BY SSUDHIR		DATE 2004/12/07			
				3 PLACES ± 0.005		± ---		APPROVED BY SSUDHIR		DATE 2004/12/07			
				2 PLACES ± 0.1		± ---		MATERIAL NO. SDUDHIR		DOCUMENT NO. SD-85042-001		SHEET NO. 1 OF 2	
				1 PLACE ± 0.15		± ---		SIZE A2		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
				ANGULAR ± 2 °									
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									

	13	12	11	10	9	8	7	6	5	4	3	2	1	
J	MATERIAL No	PERF LEVEL	PLATING	CONTACT SEQUENCE/ROW	DIM "L" mm	MOUNTING CLIP NO.	FLUX PROOF							J
	850421249	1	Au+Ni	1,2,3....32 a+c	4.5	NO	NO							
	850420385	2	Au+Ni	1,2,3....32 a+b+c	2.9	NO	NO							
	850420191	2	Au+Ni	1,2,3....32 a+c	4.5	NO	NO							
	850420270	2	Au+Ni	1,2,3....32 a+b+c	4.5	NO	NO							
	850420397	2	Au+Ni	2,4,6....32 a+c	4.5	NO	NO							
I	850421043	1	Au+Ni	1,2,3....32 a+b+c	4.5	NO	NO							I
	850421079	2	Au+Ni	1,2,3....32 a+b+c	2.9	YES	NO							
	850421213	2	Au+Ni	1,2,3....32 a+b+c	4.5	YES	NO							
	850421304	1	Au+Ni	1,2,3....32 a+b+c	2.9	NO	NO							
	850422347	2	Au+Ni	1,2,3....32 a+b+c	2.9	NO	YES							
	850422529	2	Au+Ni	1,2,3....32 a+c	2.9	YES	NO							
H	850423316	2	Au+Ni	2,4,6....32 a+c	2.9	YES	YES							H
	850424696	2	Au+Ni	1,2,3....32 a+c	4.5	YES	NO							
	850424763	2	Au+Ni	2,4,6....32 a+c	2.9	NO	NO							
	850426232	2	Au+Ni	1,2,3....32 a+b+c	4.5	YES	NO							
	850429017	3	Au+Ni	1,2,3....32 a+b+c	4.5	YES	NO							
G														G
F														F
E														E
D														D
C														C
B														B
A														A
	</													