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Part Number: [0850421304](#)
Status: **Active**
Overview: [din_41612](#)
Description: 2.54mm (.100") Pitch DIN 41612 Receptacle, Style C, 96 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

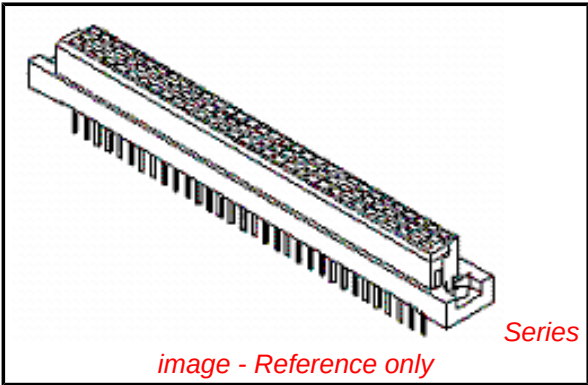
Physical

Circuits (Loaded)	96
Circuits (maximum)	96
Circuits Detail	Rows A, B, & C
Durability (mating cycles max)	500
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	1A
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](#)

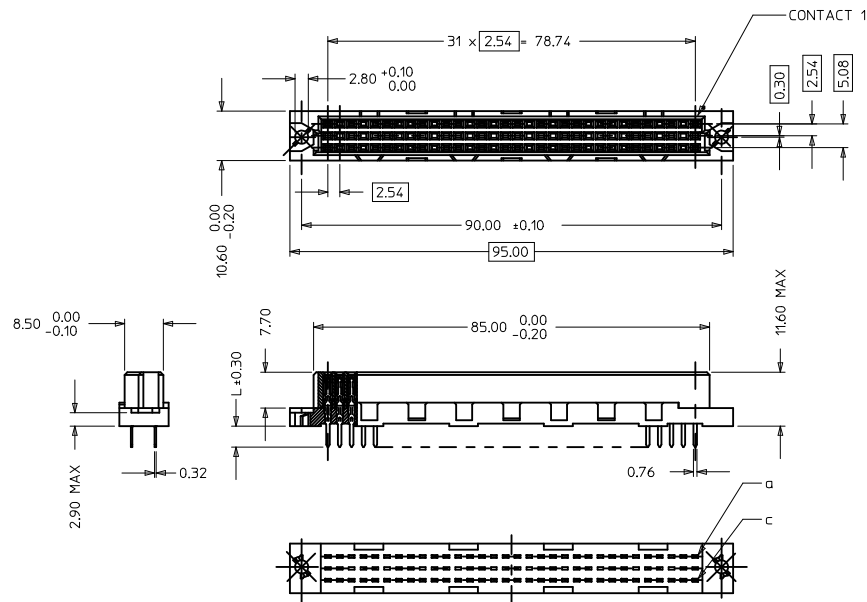
Reference - Drawing Numbers

Sales Drawing

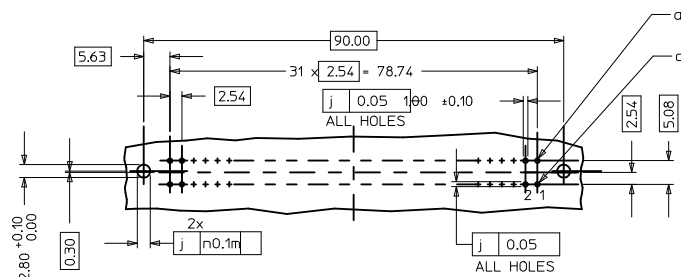
SD-85042-001

This document was generated on 05/17/2010

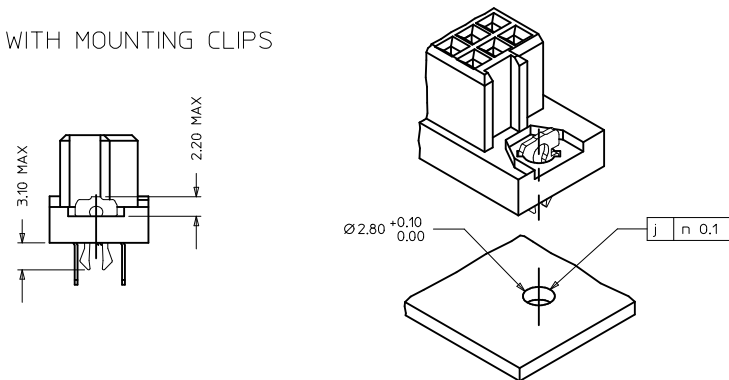
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RECOMMENDED PCB LAYOUT COMPONENT SIDE



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 2.5×0.3 ..DIN 7340
SCREWS: 2 CHEESEHEAD SCREWS $M2.5 \times \dots$ 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: 12010-0265 DRWNS01 CHKD:KPRASAD APPR:KPRASAD 2	2009/12/11 2009/12/28 2010/01/06	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	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	DATE	MOLEX INCORPORATED			
				3 PLACES	± 0.005	± ---	SSUDHIR	2004/12/07				
				2 PLACES	± 0.1	± ---	APPROVED BY	DATE				
				1 PLACE	± 0.15	± ---	SSUDHIR	2004/12/07				
				ANGULAR ± 2 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-85042-001		1 OF 2		
						SIZE A2		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

	13	12	11	10	9	8	7	6	5	4	3	2	1	
	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
</														

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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