

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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

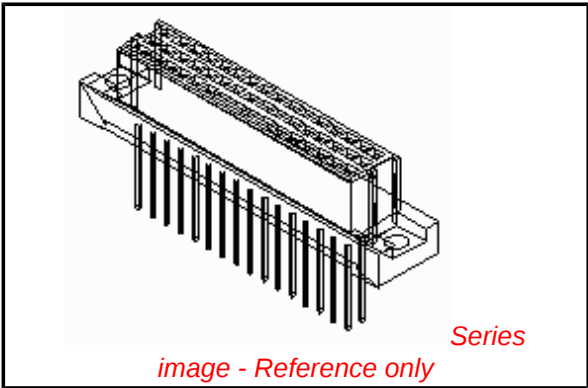


image - Reference only

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.

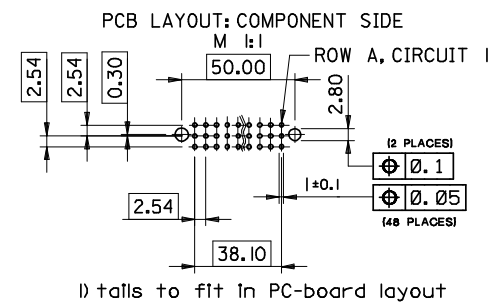
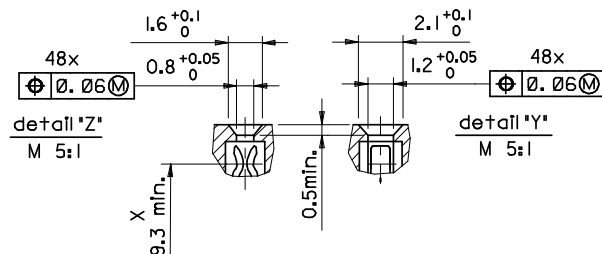
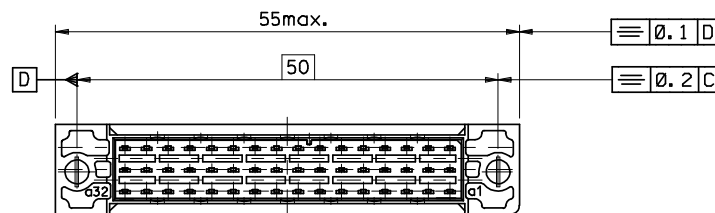
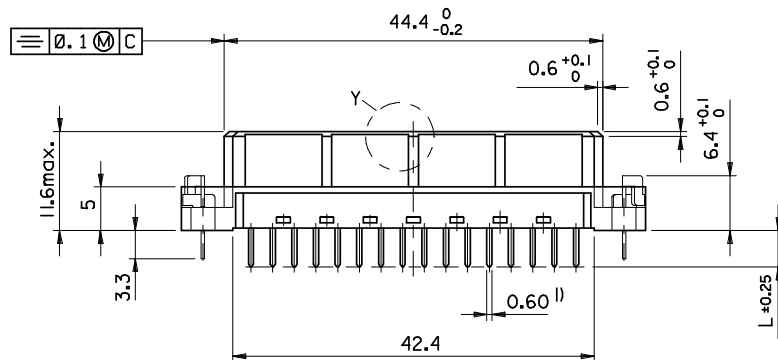
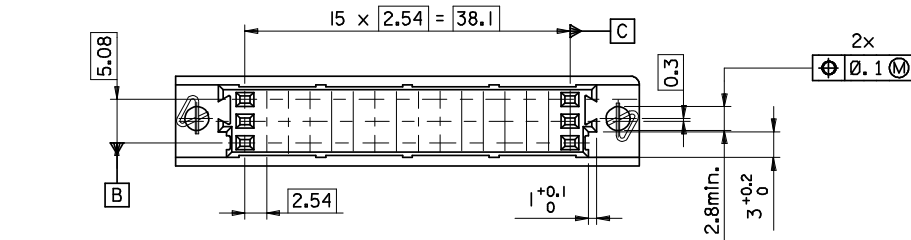
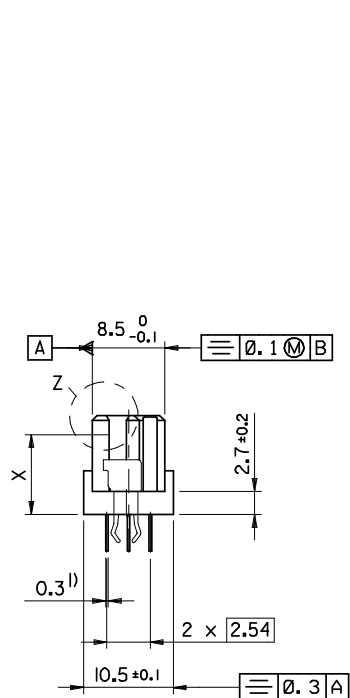
Search Parts in this Series
[85042Series](#)

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

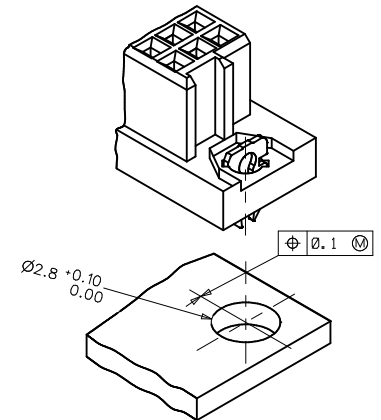
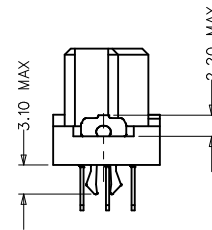
Use With
DIN 41612 Header [85003](#) , [85013](#)

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
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



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



- 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 DFDWNRJUMAR CH1C4D4PRASAO APPR:KPRASAO 2009/12/01 2010/01/17 2010/03/11		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°	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	MATERIAL NO. SEE SHEET 2	DOCUMENT NO. SD-85042-002	SHEET NO. 1 OF 2
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			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 10 11 12 13 14 15 16																				

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 10 11 12 13 14 15 16																				

RoHS COMPLIANT

ENTER DESCRIPTION EC NO: 12010-0293 DRAWN BY 2009/12/04 CHOKKIPRASAD 2010/01/27 APPROVED BY 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	DATE			
		2 PLACES	± ---	± ---	SSUDHIR	2006/04/25			
		1 PLACE	± ---	± ---	APPROVED BY SSUDHIR	DATE 2006/04/25			
ANGULAR ± ---°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		MATERIAL NO. DOCUMENT NO. SD-85042-002			
SIZE A 1		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							SHEET NO. 2 OF 2

View on mating side

c	A	A	A	A	A	A	A	A	A
d	A	A	A	A	A	A	A	A	A
e	A	A	A	A	A	A	A	A	A

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

A = 48 standard contacts L=2,9

Marking	Standard
Performance level	C2/0 = Contact area level 2 / Termination tin
Flux proof	no
Fixing clip	yes
Dimensions	SDA-85042-0002 sht.1
Technical Data	PS-85042-0001

A	G2/Ø	a l- l6	b l- l6 c l- l6
Contact symbol	Perform. level	Contact position number	

ECN MG 1998-2748	first release	REVISIONS	FOR PREVIOUS REVISIONS SEE MRI LIST			UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR $\pm 2^\circ$	DRWG BY	SIGN	SIGN	CAD/CAM PROJECT NAME s8504242 S91	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	REV.				
			INCH	METRIC	KN								TITLE	SHEET NO. 1 OF 1	DATE 98/03/09	SIZE A
3 PLACE	$\pm$	°	CHK'D BY	SIGN	48 pos. female connector DIN 41612, style C/2 contacts arrangement	MOLEX EUROPE	DWG NO. 85042-4294	PART NO. 85042-4294	SD-85042-4294	SIZE A						
2 PLACE	$\pm$	°	CA	SIGN	APP'D BY	JB	SCALE	IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY								
1 PLACE	$\pm$	°	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIGN	DESIGN DIMENSION	☐ MM ☐ IN.	EQUIVALENT DIMENSION	☐ MM ☐ IN.								

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

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9