

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

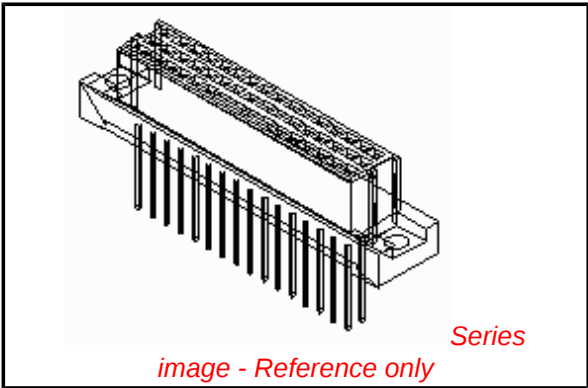
Product Family Backplane Connectors
Series [85042](#)
Application Backplane
Component Type PCB Receptacle
Overview [din_41612](#)
Product Name IEC 603-2/DIN 41612
Style C/2

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



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](#)

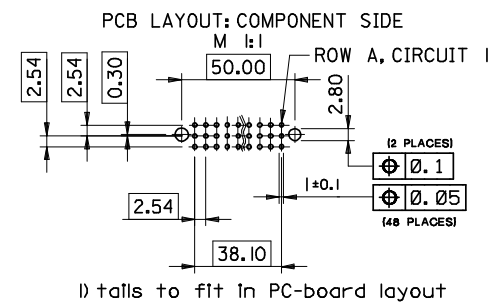
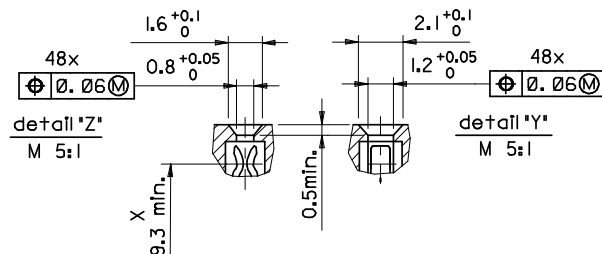
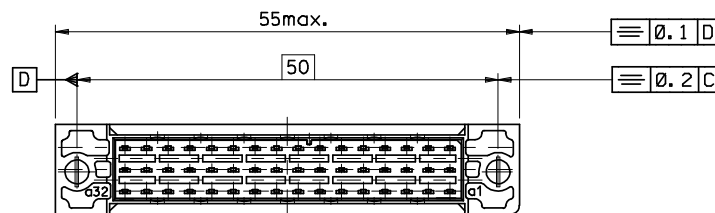
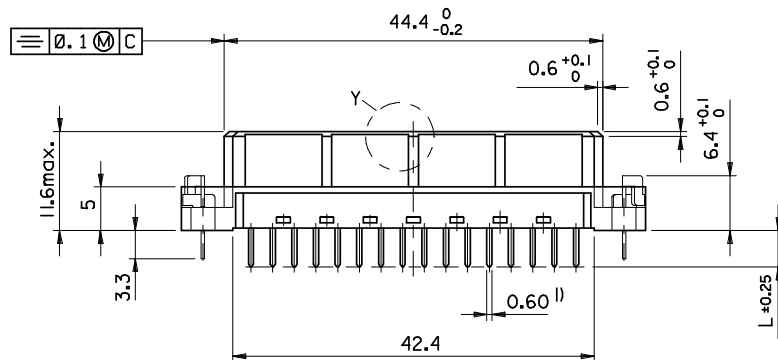
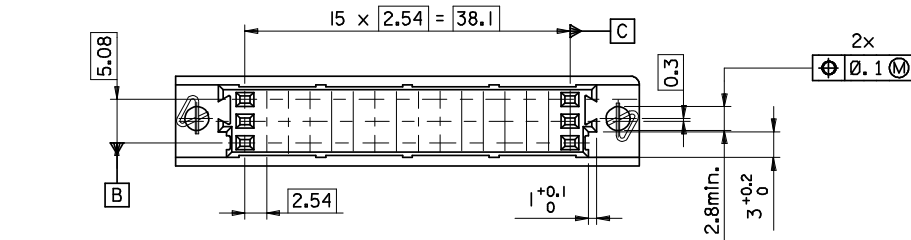
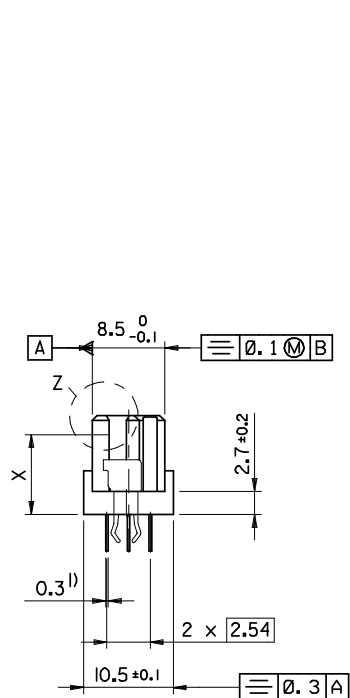
Mates With
DIN 41612 Headers [85003](#) , [85013](#)

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

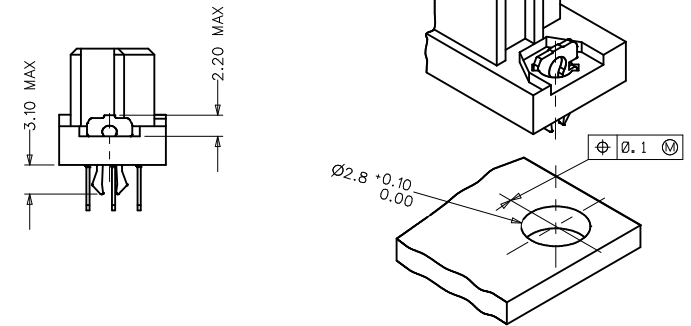
This document was generated on 05/17/2010

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		80 POS. FEMALE CONNECTOR	
C		REV		3 PLACES ±---		SUMESH		2008/08/13		DIN 4162, STYLE C/2		DIMENSIONS	
C		REV		2 PLACES ±---		CHECKED BY		DATE		KPRASAD		2008/08/13	
C		REV		1 PLACE ±---		APPROVED BY		DATE		KPRASAD		2008/08/13	
C		REV		ANGULAR ±---		MATERIAL NO.		DOCUMENT NO.		850426115		SD-85042-0002	
C		REV		DRAFT WHERE APPLICABLE		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX		INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO.	
C		REV		MUST REMAIN WITHIN DIMENSIONS		A2		1 OF 1					

WITH MOUNTING CLIPS

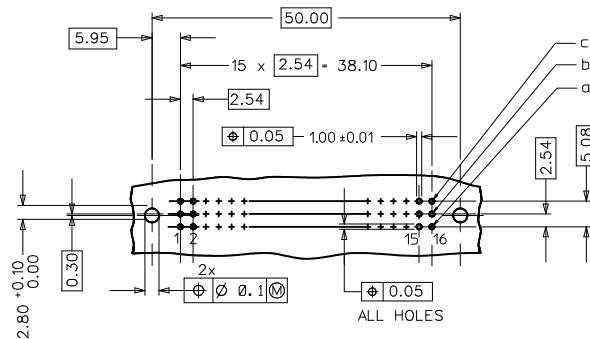


NOTES:

- 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: DRMNKRUMAR CHKD BY: CHKD KPRASAD APPR: KPRASAD B1	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	molex MOLEX INCORPORATED			
		1 PLACE	±----	±----	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						

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: org@lifeelectronics.ru

www.lifeelectronics.ru