

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0850480660

Status:

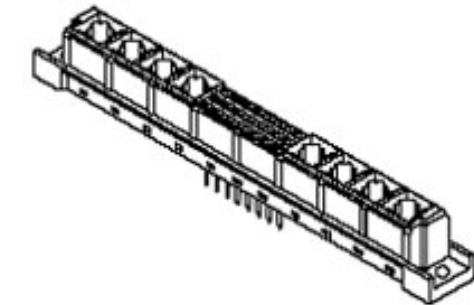
Active

Overview:

din_41612

Description:

2.54mm (.100") Pitch DIN 41612/IEC 603-2 Mixed Layout Connector, Through Hole, Vertical, Female Style M, 48 Circuits



Series

image - Reference only

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	Backplane Connectors
Series	85048
Application	Daughtercard
Comments	Mixed Layout
Component Type	PCB Receptacle
Overview	din_41612
Product Name	IEC 603-2/DIN 41612
Style	M

Physical

Circuits (Loaded)	48
Circuits (maximum)	48
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
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Number of Columns	14
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	Carton
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
Plating min: Mating (µin)	39.37
Plating min: Mating (µm)	1.00
Polarized to PCB	Yes
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Through Hole

EU RoHS

China RoHS

Compliance Status

Not Reviewed

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

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
85048Series

Mates With
DIN 41612/EIC 603-2 Mixed Layout Connector [85009](#) , [85017](#)

Use With
[85022](#)

Electrical

Current - Maximum per Contact	1A
Data Rate	622.0 Mbps
Real Signals (per 25mm)	30
Voltage - Maximum	250V AC (RMS)

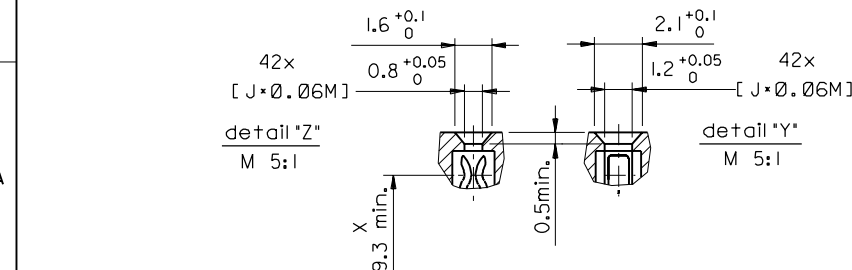
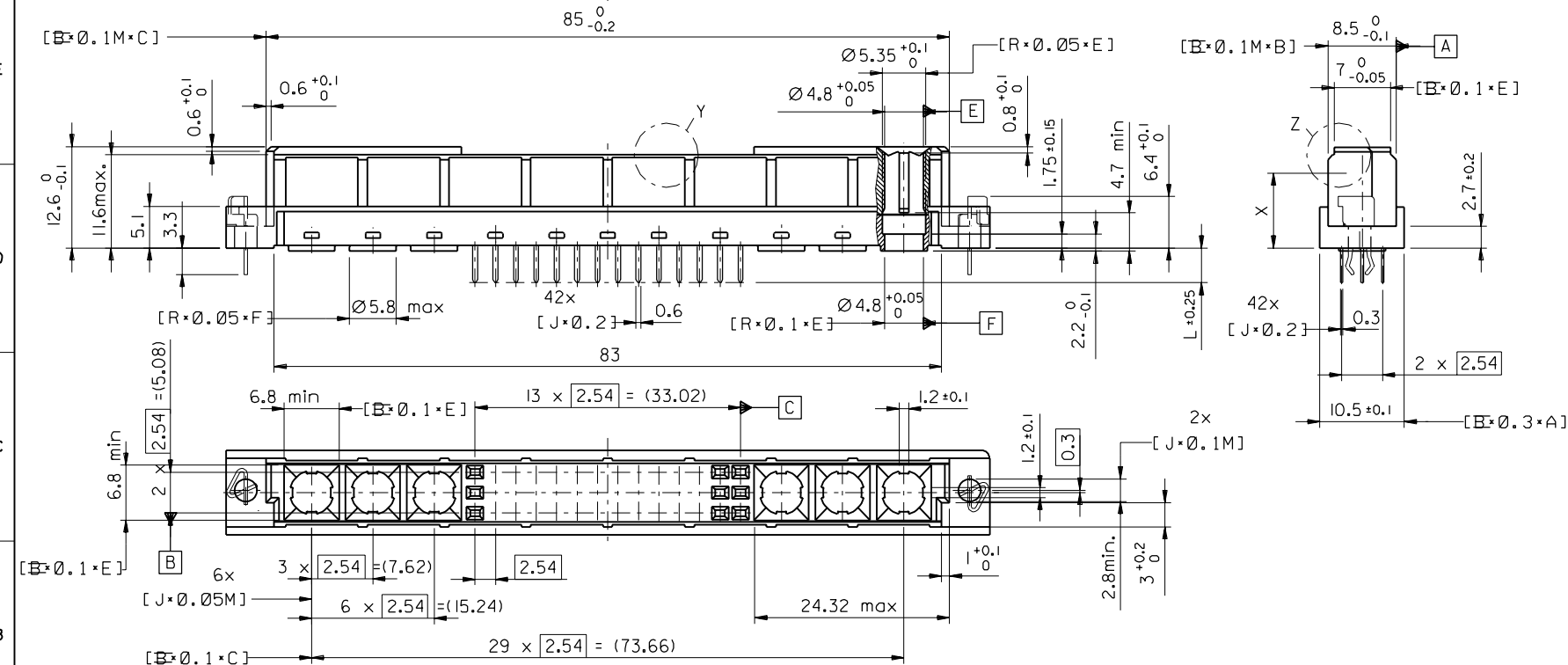
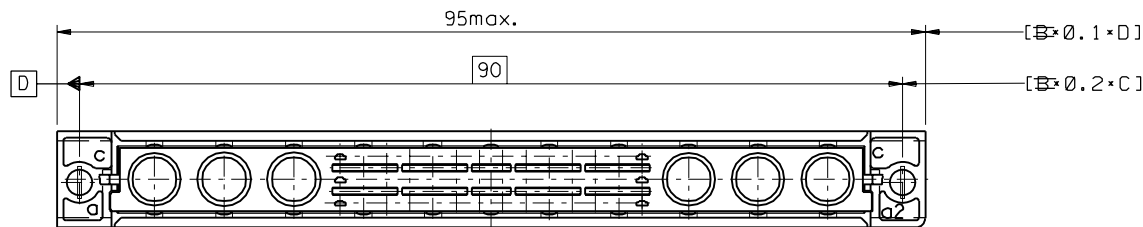
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-85048-001
Sales Drawing	SD-85048-0003, SD-85048-0660

This document was generated on 05/17/2010

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FIRST ANGLE PROJECTION

REVISE ONLY ON CAD SYSTEM

SH. REV.

UNLESS OTHERWISE SPECIFIED
TOLERANCES: ANGULAR $\pm 2^\circ$
INCH METRIC

DRWG BY
KN

SIGN

CAD/CAM PROJECT NAME
85048000
831

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO
MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

3 PLACE $\pm$ $\pm$
2 PLACE $\pm$ $\pm$
1 PLACE $\pm$ $\pm$

CHK'D BY
Ca

SIGN

TITLE
42 pol. Federleiste
42 pos. female connector
DIN 41612, style M

DRAFT WHERE APPLICABLE MUST
REMAIN WITHIN DIMENSIONS

APP'D BY
JB

SIGN

MOLEX EUROPE

DESIGN DIMENSION ☒ MM
☐ IN.

SCALE
2:1

SHEET NO. DATE
1 OF 2 97/04/10

EQUIVALENT DIMENSION ☐ MM
☐ IN.

SCALE

PART NO. DWG NO. SIZE
SD-85048-0003 B

IF TWO DIMENSIONS ARE SHOWN THE UPPER IS
THE DESIGN DIMENSION, LOWER IS SECONDARY

SCALE

PART NO. DWG NO. SIZE
SD-85048-0003 B

7

6

5

4

3

2

1

View on mating side

c										A	A	A	A	A	A	A	A	A	A	A	A	A	A									
b										A	A	A	A	A	A	A	A	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	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32

A = 42 standard contacts L=4,5

Marking	Standard
Performance level	GI/O = Contact area level 2 / Termination tin
Flux proof	no
Fixing clip	no
Dimensions	SD-85048-0003 sht.1
Technical Data	PS-85042-0001

A	GI/O	a10-23	b10-23	c10-23
Contact symbol	Perform. level	Contact position number		

ENTER DESCRIPTION EC NO: I2009-0097 DRWN: SJ CHKD: KPRASAD APPR: KPRASAD C1		DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
					mm	INCH	DRAWN BY SUMESH	DATE 2008/07/07	TITLE 42 POS. FEMALE CONNECTOR DIN 41612, STYLE M CONTACTS ARRANGEMENT						
				4 PLACES	± ---	± ---	CHECKED BY KPRASAD	DATE 2008/07/07							
				3 PLACES	± ---	± ---	APPROVED BY KPRASAD		DATE 2008/07/07		molex MOLEX INCORPORATED				
				2 PLACES	± ---	± ---									
				1 PLACE	± ---	± ---	MATERIAL NO. 850480660		DOCUMENT NO. SD-85048-0660			SHEET NO. 1 OF 1			
			ANGULAR ±---°			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE A 4			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

6

5

4

3

2

1