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Part Number: [0850481421](#)
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, Lead free

Documents:

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

Agency Certification

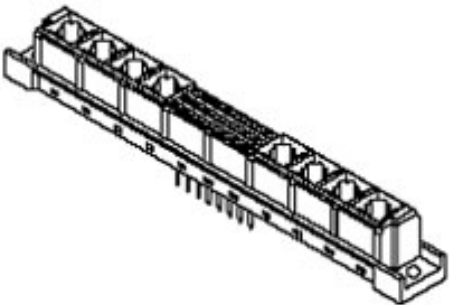
CSA LR19980
UL E29179

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) 42
Circuits (maximum) 42
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) 0.114 In
PC Tail Length (mm) 2.90 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



Series

image - Reference only

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

[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)

Solder Process Data

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Wave Capable (TH only)
Process Temperature max. C	260

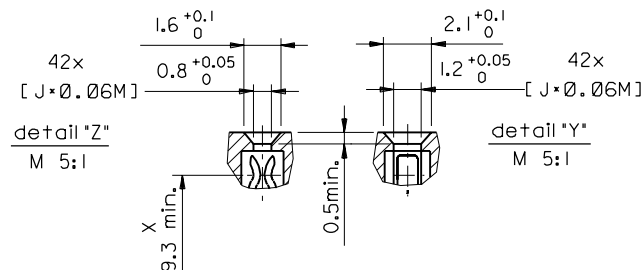
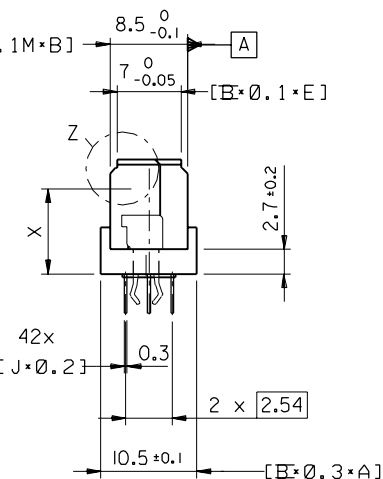
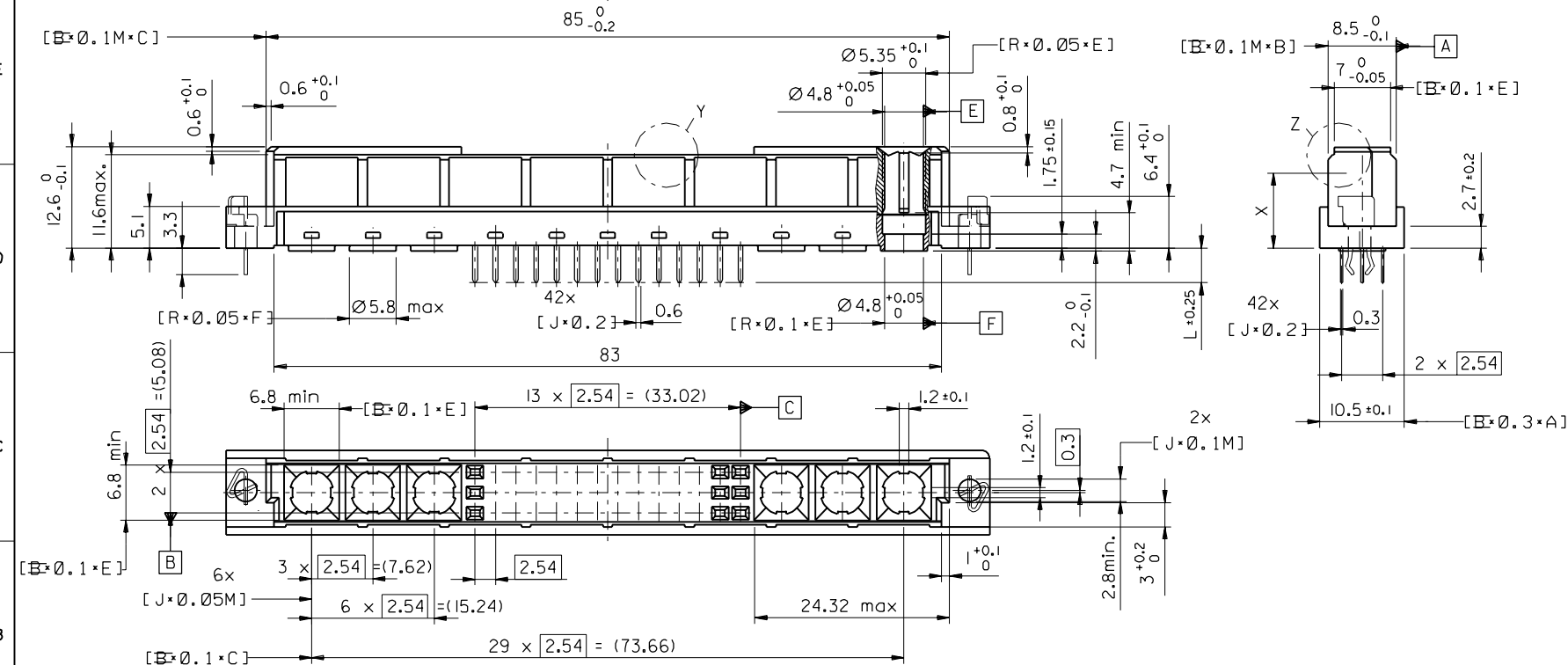
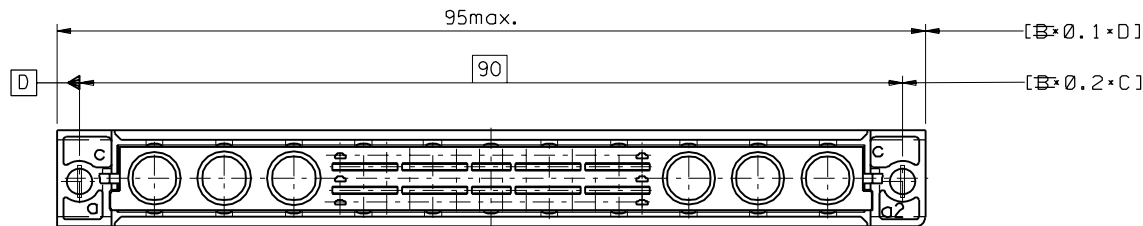
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-85048-001
Sales Drawing	SD-85048-0003, SD-85048-1421

This document was generated on 05/17/2010

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FIRST ANGLE PROJECTION

REVISE ONLY ON CAD SYSTEM

ECN 2478 first release	LTR REVISIONS FOR PREVIOUS REVISIONS SEE MRI LIST	UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR $\pm 2^\circ$	DRWG BY KN	SIGN
		INCH	CHK'D BY Ca	SIGN
		METRIC	APP'D BY JB	SIGN
		DESIGN DIMENSION ☒ MM	SCALE	
		EQUIVALENT DIMENSION ☐ MM	2:1	

CAD/CAM PROJECT NAME 85048000 831		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
TITLE 42 pol. Federleiste 42 pos. female connector DIN 41612, style M		SHEET NO. DATE 1 OF 2 97/04/10	
MOLEX MOLEX EUROPE		PART NO. DWG NO. SD-85048-0003	
		SIZE B	

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