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Part Number: [0850480074](#)
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

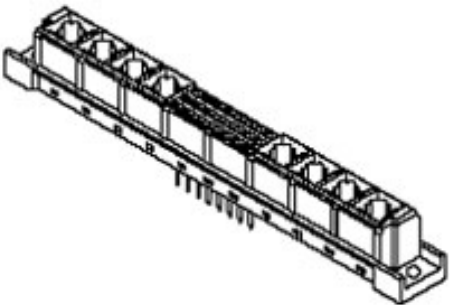
CSA LR19980
UL E29179

General

Product Family Backplane Connectors
Series [85048](#)
Application Backplane
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) 400
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) 24
Plating min: Mating (µm) 0.60
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](#) DIN 41612 High Current Contact

Electrical

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

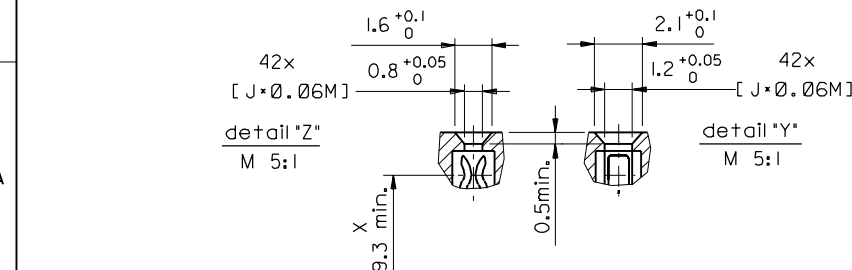
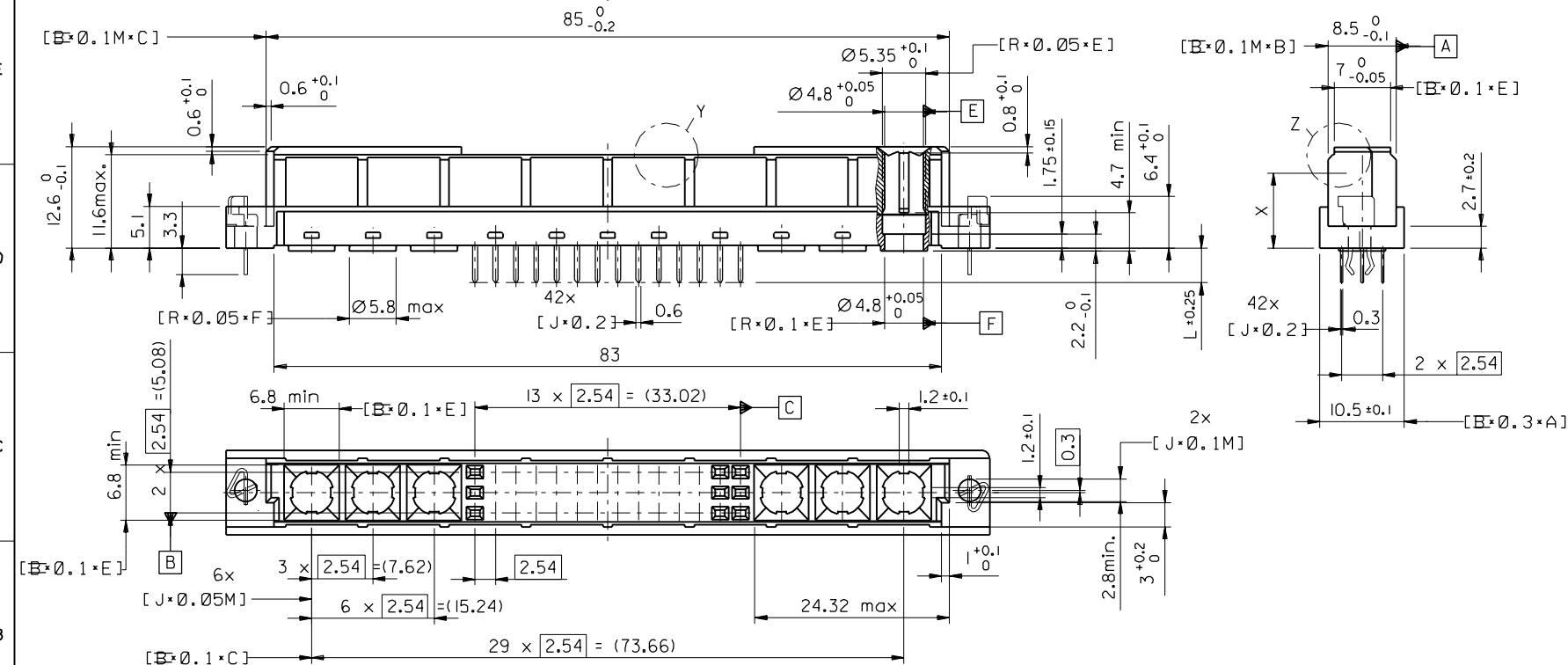
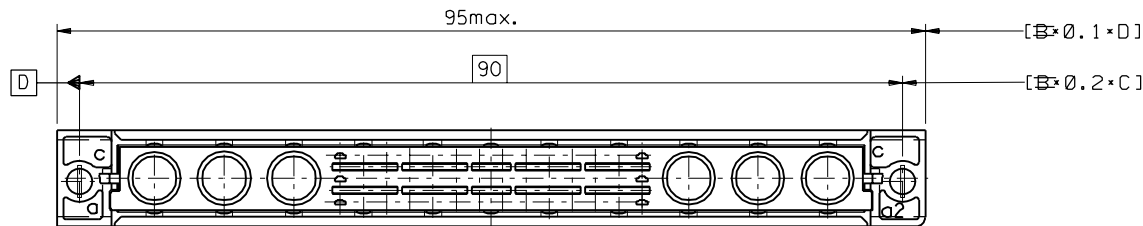
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-85048-001
Sales Drawing	SD-85048-0003, SD-85048-0074

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

CAD/CAM PROJECT NAME

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

3 PLACE $\pm$

DRWG BY

KN

TITLE

2 PLACE $\pm$

CHK'D BY

Ca

42 pol. Federleiste

1 PLACE $\pm$

APP'D BY

JB

42 pos. female connector

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SCALE

2:1

DIN 41612, style M

DESIGN DIMENSION ☒ MM

SCALE

2:1

MOLEX EUROPE

EQUIVALENT DIMENSION ☐ MM

SCALE

2:1

SHEET NO. DATE

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

SCALE

2:1

1 OF 2 97/04/10

ECN 2478

first release

MOLEX EUROPE

SD-85048-0003

ECN 2478		first release		REVISIONS		FOR PREVIOUS REVISIONS SEE MRL LIST		UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 2°		DRWG BY		SIGN		CAD/CAM PROJECT NAME		REVISE ONLY ON CAD SYSTEM		SH. REV.	
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