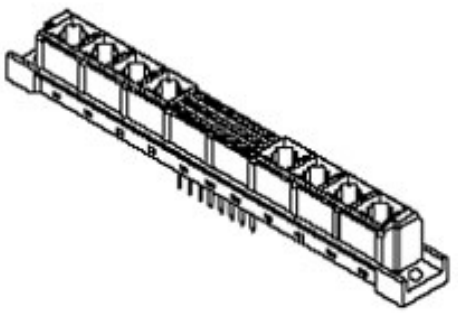
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Part Number: 0850481421
Status: Active
Overview: din_41612
Description: 2.54mm (.100") Pitch DIN 41612/IEC 603-2 Mixed Layout Connector, Through Hole, Vertical, Female Style M, 48 Circuits, Lead free



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)	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

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

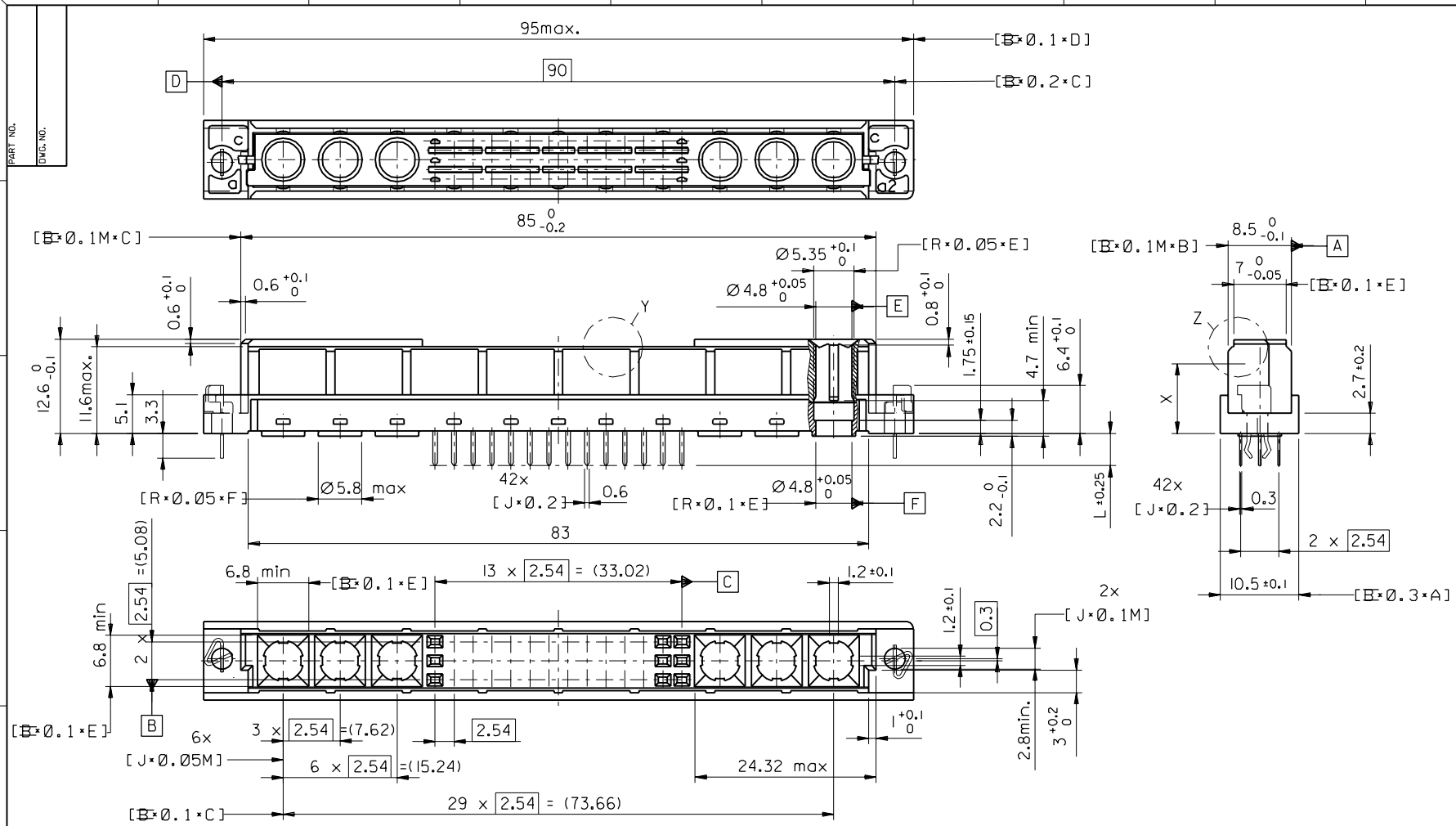
Material Info

Reference - Drawing Numbers

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

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PART NO.

DWG. NO.

FIRST ANGLE PROJECTION

REVISE ONLY ON CAD SYSTEM | SH. | REV.

LTR	REVISIONS	ECN
A	FOR PREVIOUS REVISIONS SEE MR1 LIST	2478 first release

UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ±2°

	INCH	METRIC
3 PLACE	±	±
2 PLACE	±	±
1 PLACE	±	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DESIGN DIMENSION ☒ MM ☐ IN.

EQUIVALENT DIMENSION ☐ MM ☐ IN.

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

		SIGN
DRWG BY	KN	
CHK'D BY	Ca	
APP'D BY	JB	

SCALE 2:1

CADCAM PROJECT NAME 85048000 s31

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

molex MOLEX EUROPE

SHEET NO. 1 OF 2

DATE 97/04/10

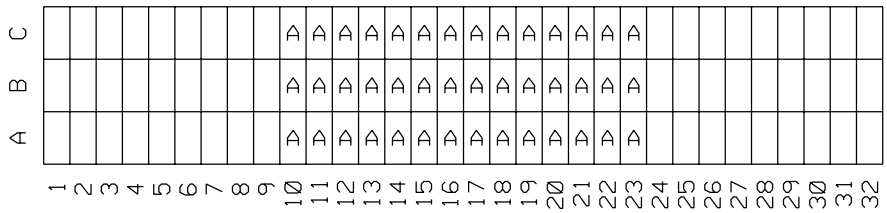
PART NO.

DWG NO. SD-85048-0003

SIZE B

7132-1283

VIEW ON MATING SIDE



A = 42 STANDARD CONTACTS L=2,9

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

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

REVISIONS	LTR
ECN 2478 first release	A

FOR PREVIOUS REVISIONS SEE MRI LIST

UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ±2°

	INCH	METRIC
3 PLACE	± .	±
2 PLACE	± .	±
1 PLACE	± .	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DESIGN DIMENSION ☐ MM ☐ IN.

EQUIVALENT DIMENSION ☐ MM ☐ IN.

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

DRWG BY	KN	SIGN
CHK'D BY	Ca	SIGN
APP'D BY	JB	SIGN
SCALE		

REVISE ONLY ON CAD SYSTEM | SH. | REV.

CADCAM PROJECT NAME s8504814 s21

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

TITLE

42 pos. female connector acc. DIN 41612, style M contacts arrangement

MOLEX EUROPE

SHEET NO. 1 OF 1

DATE 97/05/28

PART NO. 85048-1421

DWG NO. SD-85048-1421

SIZE A