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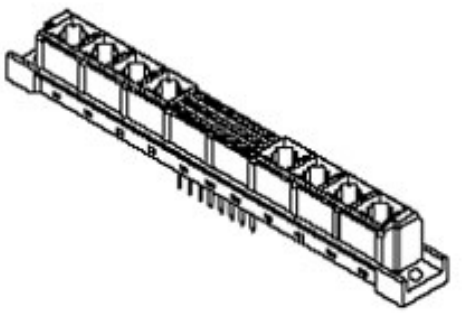
Part Number: 0850481794
Status: Active
Overview: din_41612
Description: 2.54mm (.100") Pitch DIN 41612/IEC 603-2 Mixed Layout Connector, Through Hole, Vertical, Female Style M, 78 Circuits



Series image - Reference only

Documents:
Drawing (PDF)
RoHS Certificate of Compliance (PDF)

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)	78
Circuits (maximum)	78
Circuits Detail	Standard Contacts at A:a4-a29; B:b4-b29; C:c4-c29
Durability (mating cycles max)	400
First Mate / Last Break	No
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	26
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)	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

Electrical

Current - Maximum per Contact	1A
Data Rate	622.0 Mbps
Voltage - Maximum	250V AC (RMS)

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

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-85048-001
Sales Drawing	SD-85048-0001, SDA-85048-1794

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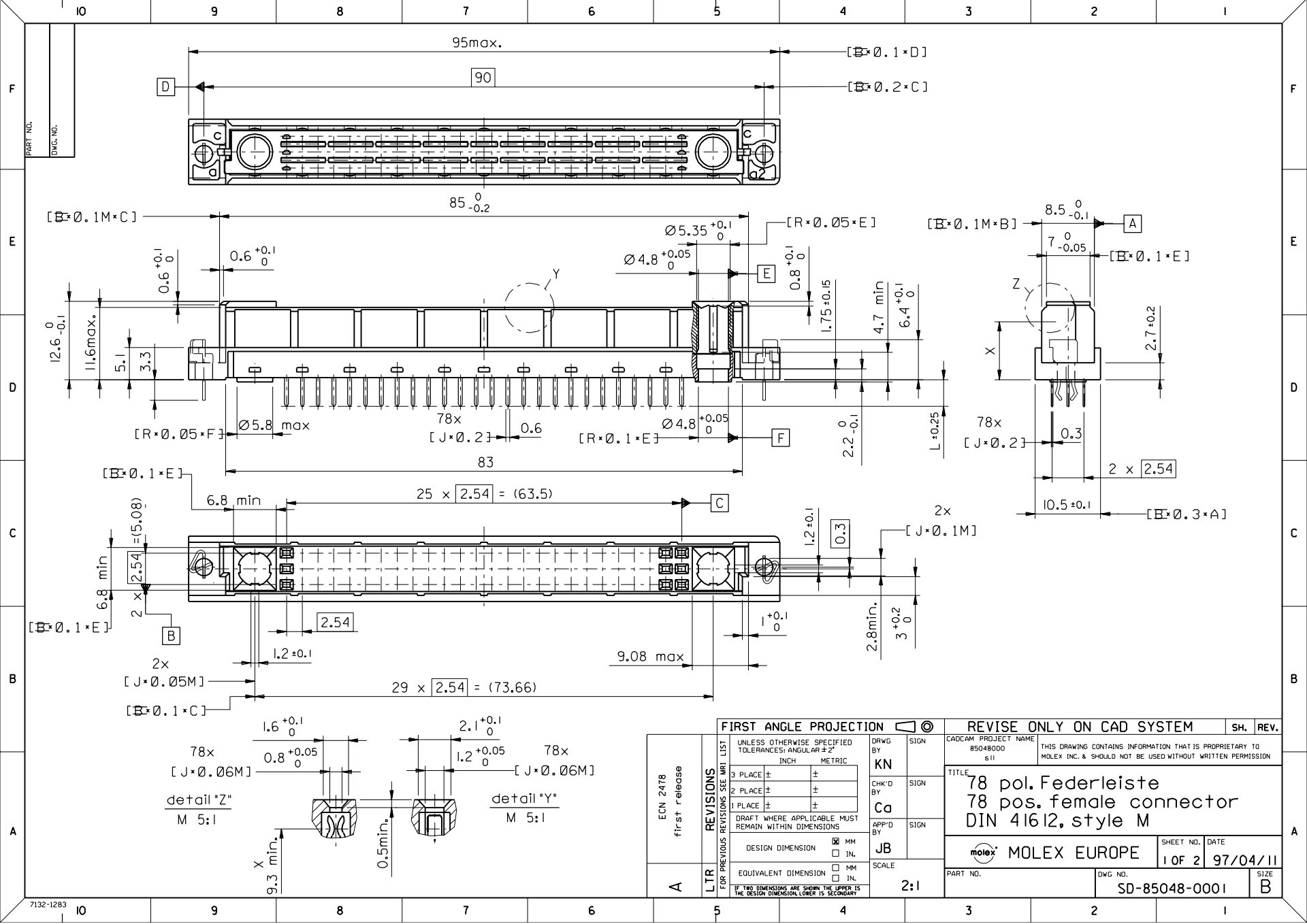


PART NO.

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

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

SCALE 2:1

CADCAM PROJECT NAME 85048000 s11

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

TITLE

78 pol. Federleiste
78 pos. female connector
DIN 41612, style M

molex MOLEX EUROPE

SHEET NO. 1 OF 2

DATE 97/04/11

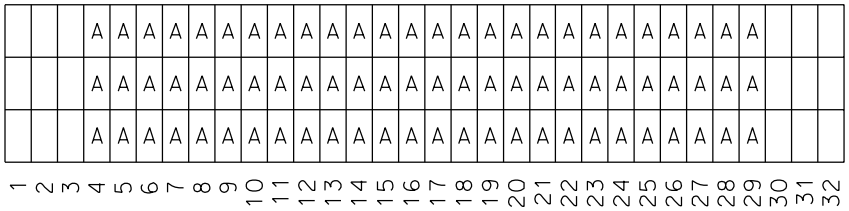
PART NO.

DWG NO. SD-85048-0001

SIZE B

7132-1283

View on mating side



A = 78 standard contacts L=2,9

Marking	Standard
Performance level	G2/0 = Contact area level2 / Termination tin
Flux proof	no
Fixing clip	yes
Dimensions	SD-85048-0001 sht.1
TechnicalData	PS-85042-0001

A	G2/0	a4-29 b4-29 c4-29
Contact symbol	Perform. level	Contact position number

LTR	REVISIONS	FOR PREVIOUS REVISIONS SEE MRI LIST
A	first release ECN No. MG1999-0057	

UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ±2°

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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DRWG BY	Ca	SIGN
CHK'D BY	Er	SIGN
APP'D BY	FB	SIGN
SCALE		

REVISE ONLY ON CAD SYSTEM | SH. | REV.

CADCAM PROJECT NAME s8504817 s91

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TITLE

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

molex MOLEX EUROPE

SHEET NO. 1 OF 1

DATE 98/09/04

PART NO. 85048-1794

DWG NO. SDA-85048-1794

SIZE A