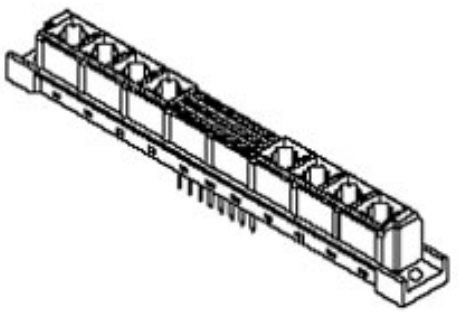
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# PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

**Part Number:** 0850480024
**Status:** Active
**Overview:** din_41612
**Description:** 2.54mm (.100") Pitch DIN 41612/IEC 603-2 Mixed Layout Connector, Through Hole, Vertical, Female Style M, 32 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 | Backplane |
| Comments | Mixed Layout |
| Component Type | PCB Receptacle |
| Overview | din_41612 |
| Product Name | IEC 603-2/DIN 41612 |
| Style | M |

## Physical

| | |
|---|---|
| Circuits (Loaded) | 32 |
| Circuits (maximum) | 32 |
| 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 | 8 |
| 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 |

**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) |

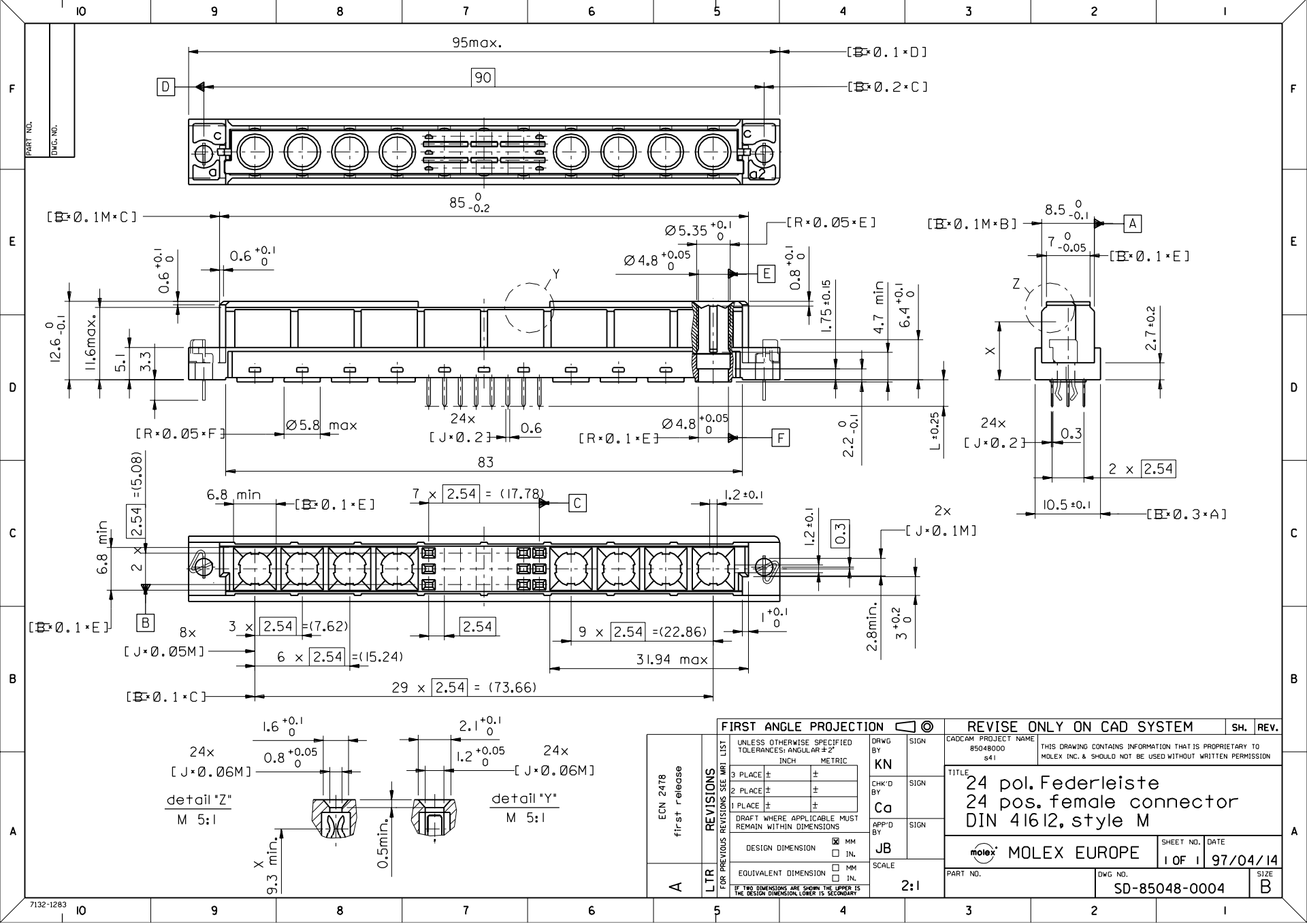
## Material Info

## Reference - Drawing Numbers

| | |
|---|---|
| Packaging Specification | PK-85048-001 |
| Sales Drawing | SD-85048-0004, SD-85048-0024 |

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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 s41

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

TITLE

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

MOLEX EUROPE

SHEET NO. 1 OF 1

DATE 97/04/14

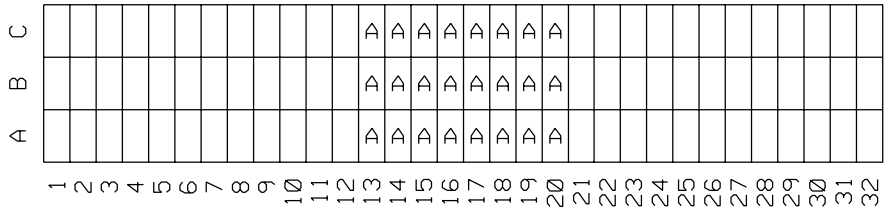
PART NO.

DWG NO. SD-85048-0004

SIZE B

7132-1283

VIEW ON MATING SIDE




A = 24 STANDARD CONTACTS L=4,5

| | |
|---|---|
| Marking | Standard |
| Performance level | G2/0 = Contact area level2 / Termination tin |
| Flux proof | no |
| Fixing clip | no |
| Dimensions | SD-85048-0004 sht.1 |
| TechnicalData | PS-85042-0001 |

| | | |
|---|---|---|
| | | |
| | | |
| A | G2/0 | a13-20 b13-20 c13-20 |
| Contact symbol | Perform. level | Contact position number |

| | | | | | | |
|---|---|---|---|---|---|---|
| A | ECN 2478 first release | | | | | |
| LTR | REVISIONS | 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.

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| | | |
|---|---|---|
| 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 s8504800 s21

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TITLE

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

MOLEX EUROPE

SHEET NO. 1 OF 1

DATE 97/05/28

PART NO. 85048-0024

DWG NO. SD-85048-0024

SIZE A