

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0850132012

Status:

Active

Overview:

din_41612

Description:

2.54mm (.100") Pitch DIN 41612 Header, Through Hole, Vertical, Style R/2 Reverse, 1µm (40µ") Selective Gold (Au), 48 Circuits, Lead free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-85013-0001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

Series

Application

Comments

Component Type

Overview

Product Name

Style

Backplane Connectors

85013

Daughtercard

4 Day Industrial Environment (S02)

PCB Header

din_41612

IEC 603-2/DIN 41612

R/2

Physical

Circuits (Loaded)

Circuits (maximum)

Circuits Detail

Durability (mating cycles max)

First Mate / Last Break

Flammability

Guide to Mating Part

Keying to Mating Part

Number of Columns

Number of Pairs

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Polarized to PCB

Stackable

Surface Mount Compatible (SMC)

Temperature Range - Operating

48

48

Rows A, B, & C

500

No

94V-0

No

Yes

16

Open Pin Field

3

Vertical

0.114 In

2.90 mm

No

Yes

Bag

0.100 In

2.54 mm

0.100 In

2.54 mm

39

1

No

No

No

-55°C to +125°C

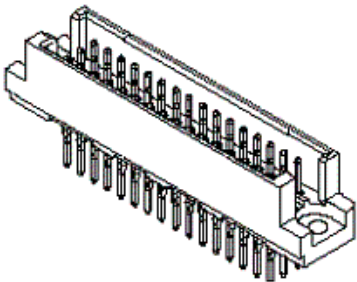
Electrical

Current - Maximum per Contact

Data Rate

1A

622.0 Mbps



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

85013Series

Mates With

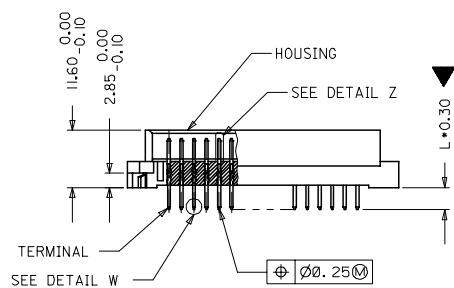
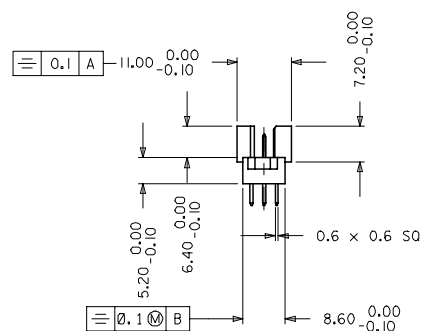
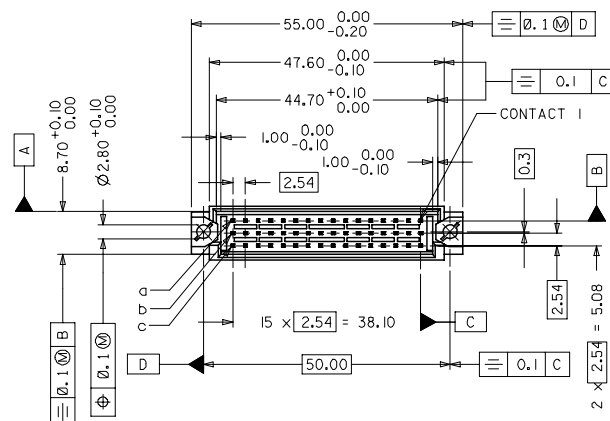
85042 DIN 41612 Receptacle . 85052 DIN 41612 Header

Real Signals (per 25mm)	30
Shield Type	N/A
Shielded	No
Voltage - Maximum	1000V (RMS)
Solder Process Data	
Lead-free Process Capability	Wave Capable (TH only)
Material Info	
Reference - Drawing Numbers	
Product Specification	PS-85013-0001
Sales Drawing	E-85013-0002, E-85013-2012, SD-85013-2012, SDA-85013-0002, SDA-85013-2012

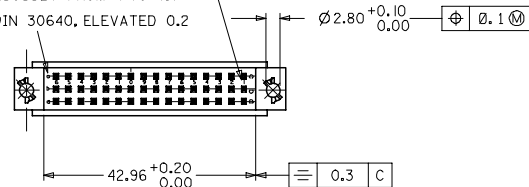
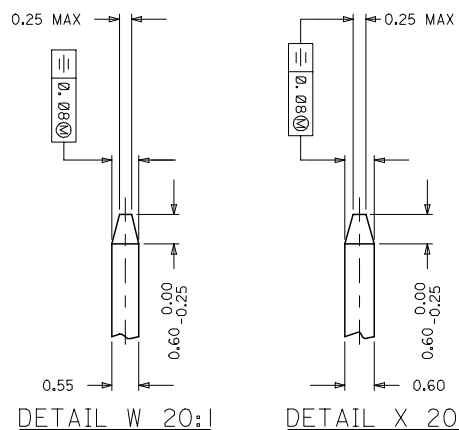
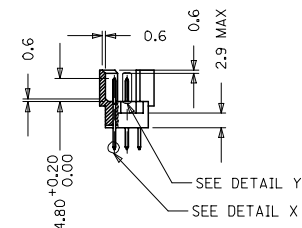
This document was generated on 05/17/2010

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1. MATERIAL NUMBER, BATCH CODE, UL CSA MARKING TO BE PRINTED ON THE CONNECTOR AS PER E-36502-005
2. PRODUCT SPECIFICATION PS:85013-001
3. PACKING SPECIFICATION PK: 36512-001
4. CUT FACES OF TIP WITHOUT PLATING IS PERMITTED
5. REFERENCE AREA OF PLATING
6. GAUGE DRAWING REFER E-36500-100

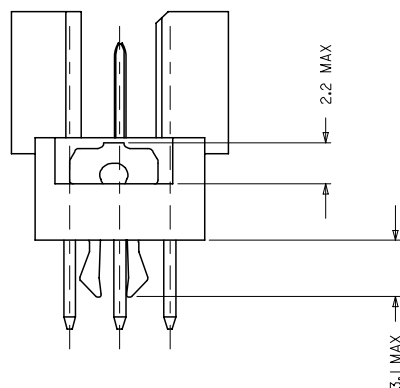


SCRIPT E1.5-6 DIN 30640, ELEVATED 0.2

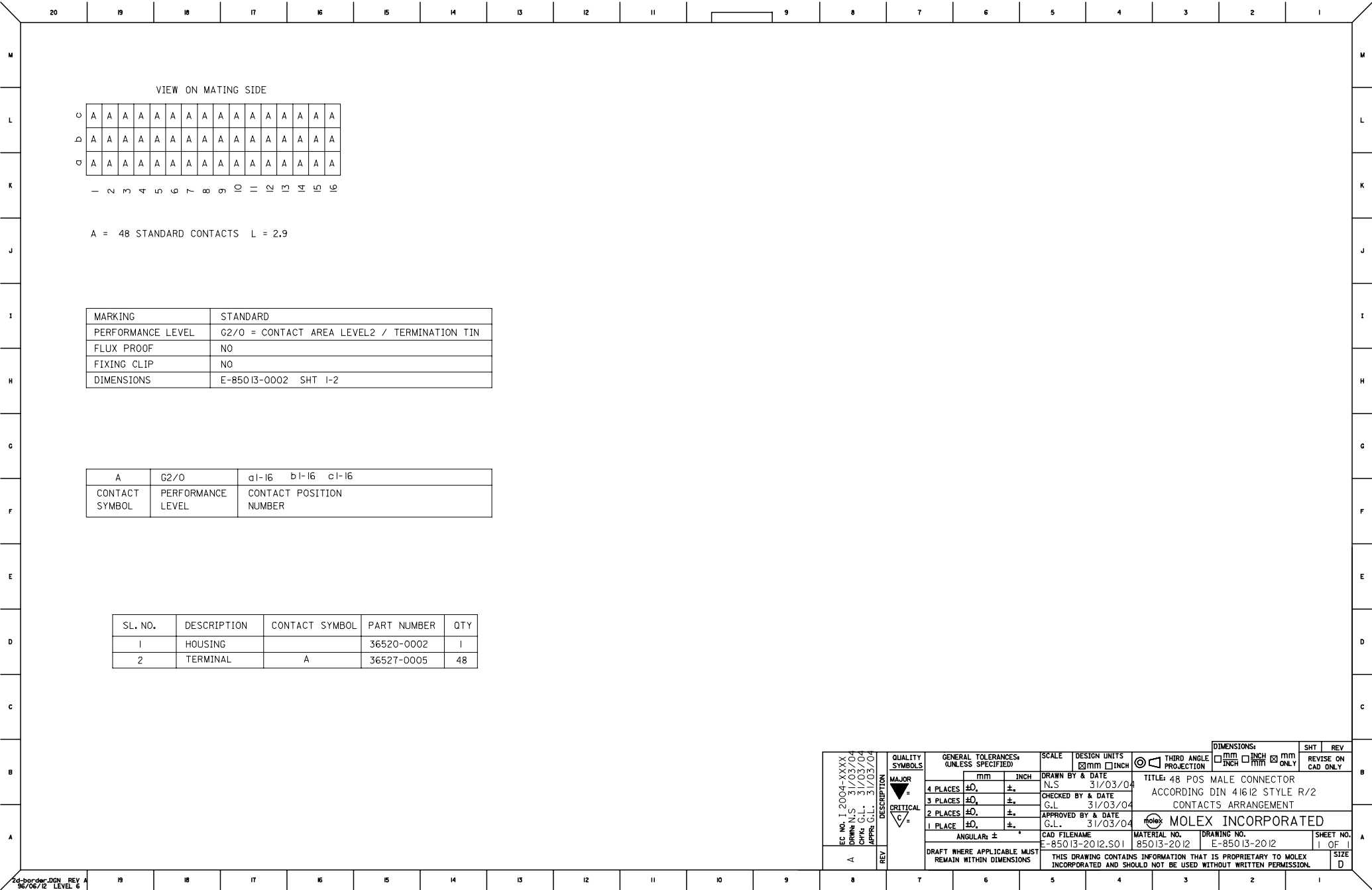


EC NO: 2005-0092	2004/11/28	2004/11/28	2004/11/28	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION															
DR: NISHI WASHA	CHK: KASAHARA	APP: SUDHAR	REV	▽=1 ▽=0	<table><thead><tr><th></th><th>mm</th><th>INCH</th></tr></thead><tbody><tr><td>4 PLACES</td><td>± 0.005</td><td>± 0.0005</td></tr><tr><td>3 PLACES</td><td>± 0.005</td><td>± 0.0005</td></tr><tr><td>2 PLACES</td><td>± 0.05</td><td>± 0.002</td></tr><tr><td>1 PLACE</td><td>± 0.1</td><td>± 0.004</td></tr></tbody></table>		mm	INCH	4 PLACES	± 0.005	± 0.0005	3 PLACES	± 0.005	± 0.0005	2 PLACES	± 0.05	± 0.002	1 PLACE	± 0.1	± 0.004	DRAWN BY YS CHECKED BY GJLOWE APPROVED BY GJLOWE DATE 2004/03/31 DATE 2004/03/31 DATE 2004/03/31	TITLE 48 POS. MALE CONNECTOR ACC. DIN 41612 STYLE R/2 CONTACTS  MOLEX INCORPORATED		
	mm	INCH																						
4 PLACES	± 0.005	± 0.0005																						
3 PLACES	± 0.005	± 0.0005																						
2 PLACES	± 0.05	± 0.002																						
1 PLACE	± 0.1	± 0.004																						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					MATERIAL NO. SEE CHART SIZE 1		DOCUMENT NO. E-85013-0002		SHEET NO. 1 OF 2															
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																								

MALE CONNECTOR WITH MOUNTING CLIPS



tb_frame_A1_P_ME_T
Rev. D 2004/04/02



VIEW ON MATING SIDE

A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

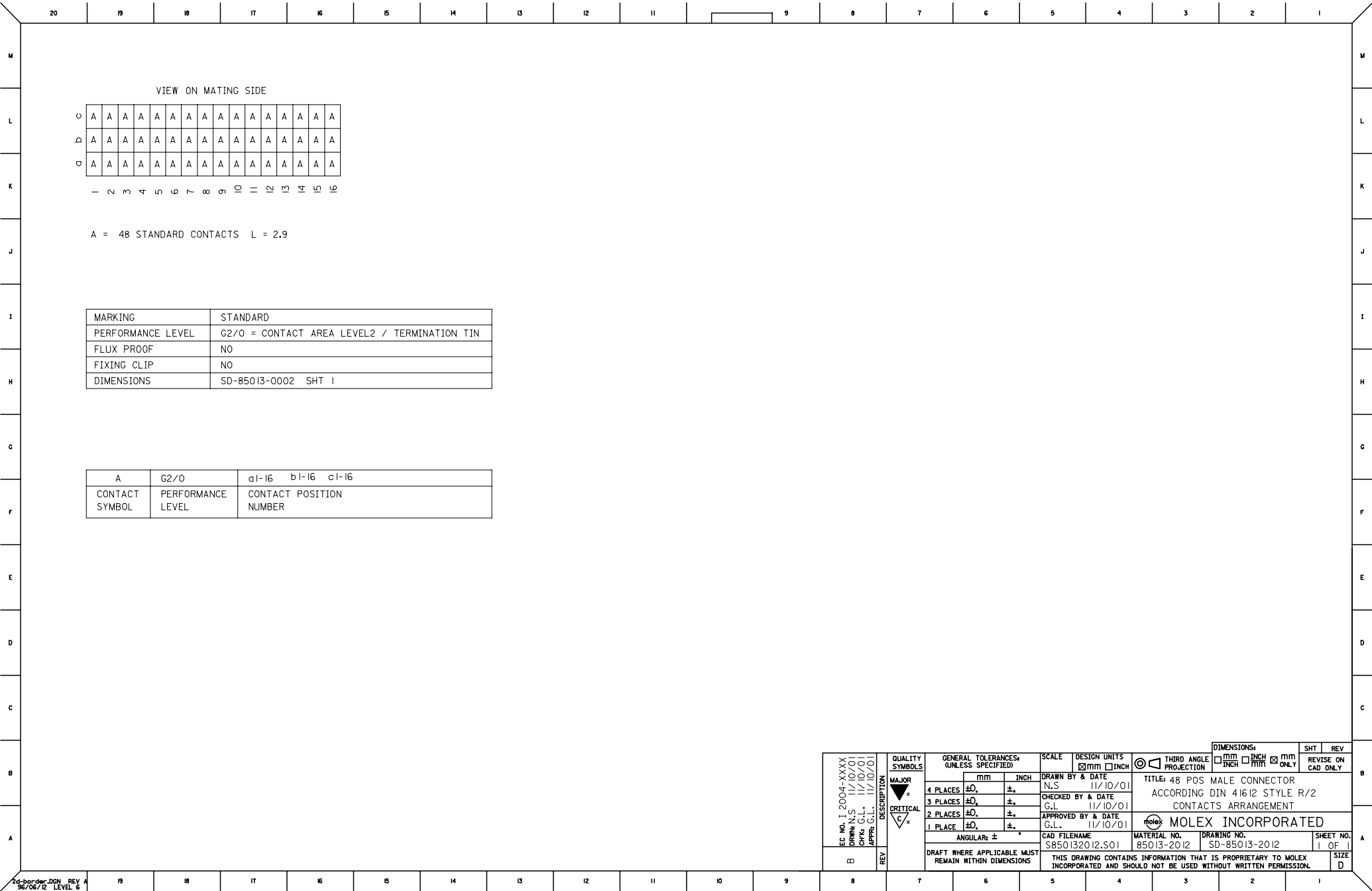
A = 48 STANDARD CONTACTS L = 2.9

MARKING	STANDARD
PERFORMANCE LEVEL	G2/O = CONTACT AREA LEVEL2 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	NO
DIMENSIONS	E-85013-0002 SHT 1-2

A	G2/O	a1-16 b1-16 c1-16
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

SL. NO.	DESCRIPTION	CONTACT SYMBOL	PART NUMBER	QTY
1	HOUSING		36520-0002	1
2	TERMINAL	A	36527-0005	48

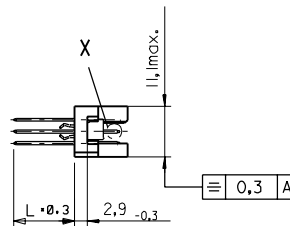
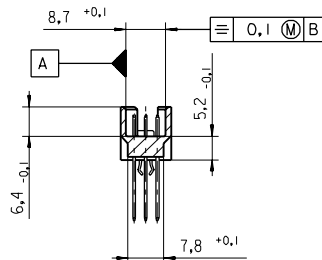
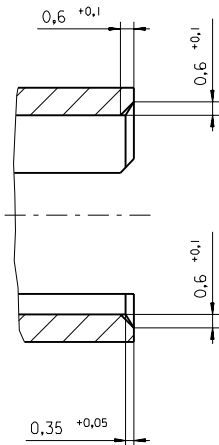
EC NO. I 2004-XXXX DRAWN N.S. 31/03/04 CHK'd G.L. 31/03/04 APPR G.L. 31/03/04	QUALITY SYMBOLS MAJOR CRITICAL	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ±0. ±. 3 PLACES ±0. ±. 2 PLACES ±0. ±. 1 PLACE ±0. ±. ANGULAR ± *	SCALE DRAWN BY & DATE NLS 31/03/04 CHECKED BY & DATE G.L. 31/03/04 APPROVED BY & DATE G.L. 31/03/04	DESIGN UNITS mm INCH THIRD ANGLE PROJECTION TITLE: 48 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE R/2 CONTACTS ARRANGEMENT MOLEX INCORPORATED	DIMENSIONS: mm INCH mm ONLY	SHT REV	
	CAD FILENAME E-85013-2012.S01			MATERIAL NO. 85013-2012	DRAWING NO. E-85013-2012	SHEET NO. 1 OF 1	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.			SIZE D



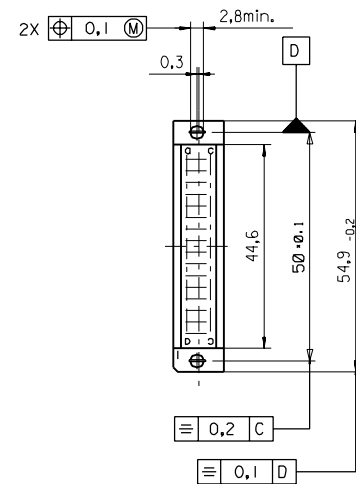
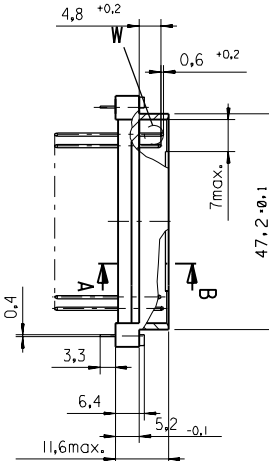
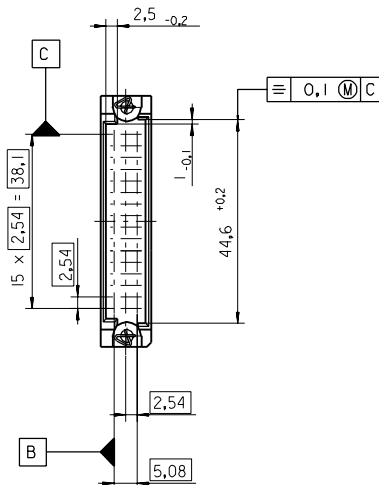
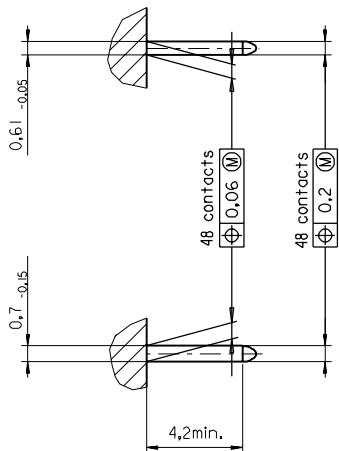
EC NO. I 2004-XXXX		QUALITY SYMBOLS		GENERAL TOLERANCES* (UNLESS SPECIFIED)		SCALE		DESIGN UNITS		THIRD ANGLE		DIMENSIONS:		SHT		REV	
DRAWN N.S. 11/10/01		MAJOR		mm		mm		mm		mm		mm		mm		mm	
CHK'd G.L. 11/10/01		CRITICAL		4 PLACES		DRAWN BY & DATE		mm		mm		mm		mm		mm	
APPR G.L. 11/10/01				3 PLACES		CHECKED BY & DATE		mm		mm		mm		mm		mm	
				2 PLACES		G.L. 11/10/01		mm		mm		mm		mm		mm	
				1 PLACE		APPROVED BY & DATE		mm		mm		mm		mm		mm	
						G.L. 11/10/01		mm		mm		mm		mm		mm	
						ANGULAR ±		MATERIAL NO.		DRAWING NO.				SHEET NO.			
						CSD510320.I.S01		85013-2012		SD-85013-2012				1 OF 1			
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.								SIZE D	

PART NO.
DWG. NO.

Section A - B
5:1



View X
5:1



View W
5:1

FIRST ANGLE PROJECTION		REVISE ONLY ON CAD SYSTEM		SH.	REV.
first release see ECN No. 1887	LTR REVISIONS FOR PREVIOUS REVISIONS SEE MRI LIST	UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ±2°	DRWG BY Ca	CAD/CAM PROJECT NAME 85013000 621	
		INCH METRIC	CHK'D BY KN	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
		3 PLACE ± . ±	APP'D BY	TITLE 48 pos. Male connector acc. DIN 41612 style R/2 Dimensions	
		2 PLACE ± . ±	SCALE	SHEET NO. DATE 1 OF 95/06/08	
DESIGN DIMENSION ☒ MM ☐ IN.		MOLEX EUROPE		SIZE	
EQUIVALENT DIMENSION ☐ MM ☐ IN.		PART NO.		DWG NO.	
IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY		SDA-85013-0002		B	

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

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- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
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