

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0850132036

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	RoHS Certificate of Compliance (PDF)
Drawing (PDF)	

Agency Certification	
CSA	LR19980
UL	E29179
General	
Product Family	Backplane Connectors
Series	85013
Application	Daughtercard
Comments	4 Day Industrial Environment (S02)
Component Type	PCB Header
Overview	din_41612
Product Name	IEC 603-2/DIN 41612
Style	R/2
Physical	
Circuits (Loaded)	48
Circuits (maximum)	48
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
Number of Columns	16
Number of Pairs	Open Pin Field
Number of Rows	3
Orientation	Vertical
PC Tail Length (in)	0.524 In
PC Tail Length (mm)	13.30 mm
PCB Locator	No
PCB Retention	Yes
Packaging Type	Bag
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
Plating min: Mating (µm)	1
Polarized to PCB	No
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +125°C
Electrical	
Current - Maximum per Contact	1A
Data Rate	622.0 Mbps

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 , 85052 Backplane Header

Real Signals (per 25mm)	30
Shield Type	N/A
Shielded	No
Voltage - Maximum	1000V (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

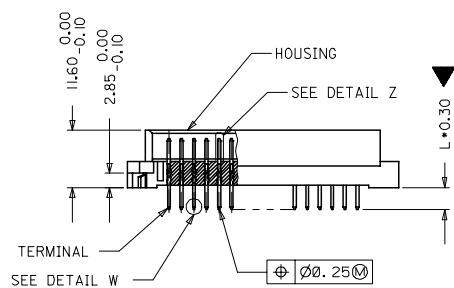
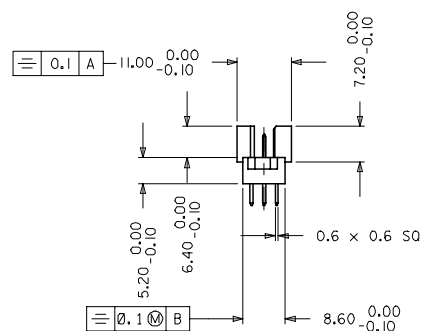
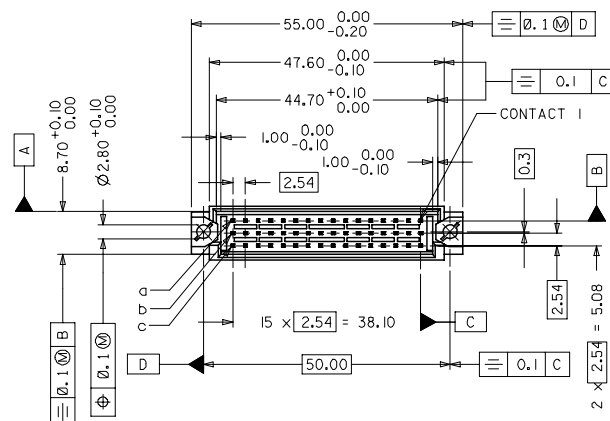
Reference - Drawing Numbers

Sales Drawing	E-85013-0002, E-85013-2036, SD-85013-2036, SDA-85013-0002, SDA-85013-2036
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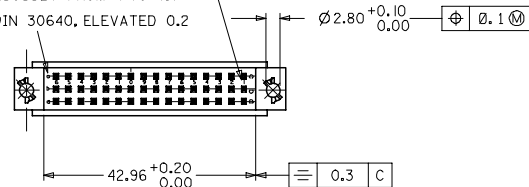
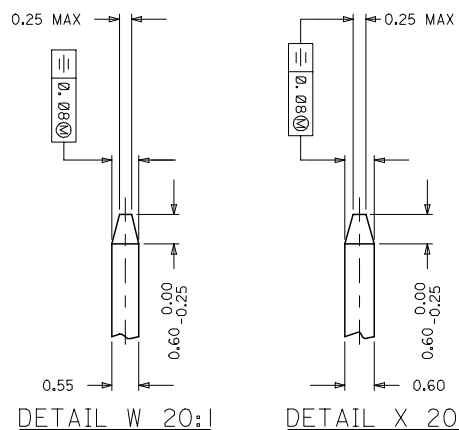
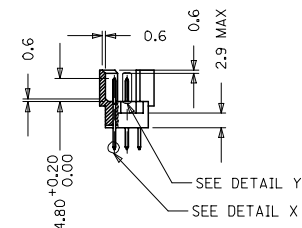
This document was generated on 05/17/2010

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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



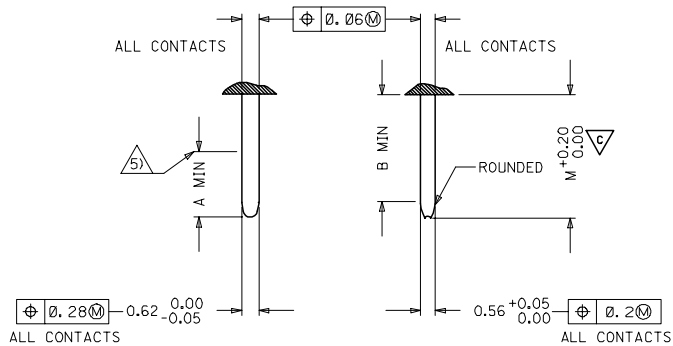
SCRIPT E1.5-6 DIN 30640, ELEVATED 0.2



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 WHEN 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																								

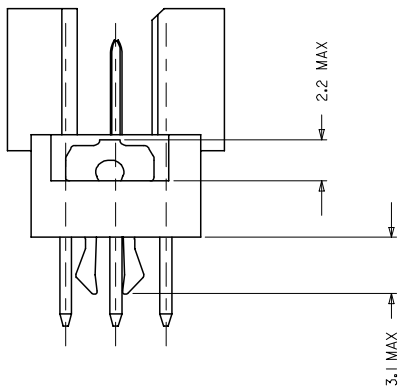
PRE MATING CONTACTS	5.4	4.1	4.8
NORMAL CONTACTS	4.8	3.5	4.2
	M	A	B

MALE CONNECTOR WITH MOUNTING CLIPS



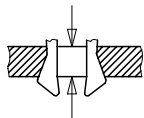
DETAIL Z

DETAIL Y



CLIPS SNAP UNDER
PC - BOARD OF
1.5 to 1.8 mm
Fm < 60N
Fr >= 20N
Fr >= 200N, WHEN
SOLDERED IN
PLATED - THROUGH
FIXING HOLES

Fm = MOUNTING FORCE
(FOR ONE CONNECTOR = 2 CLIPS)

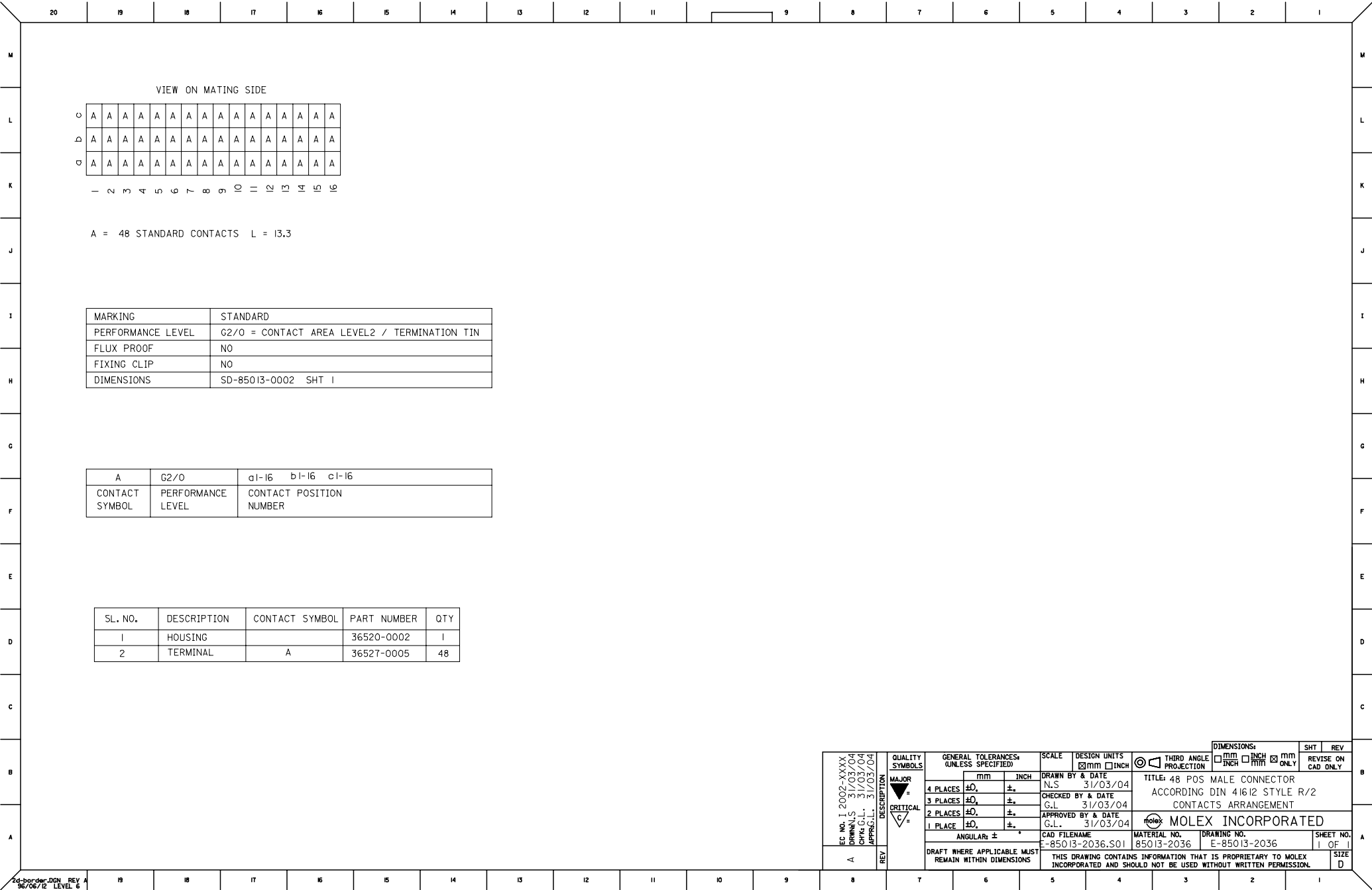


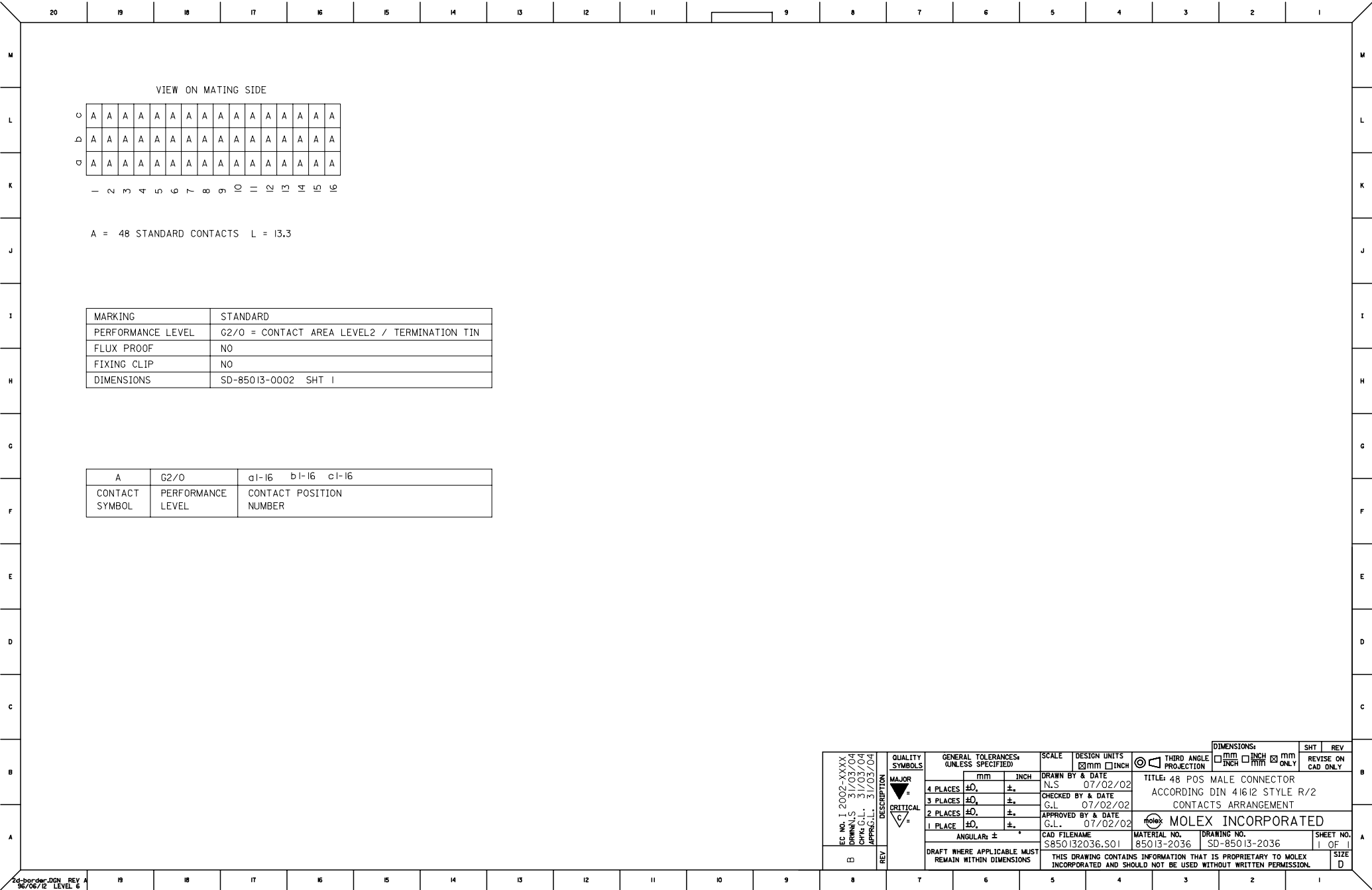
FR = RETENTION FORCE
(FOR ONE CONNECTOR = 2 CLIPS)



CLIPS STICK IN
FIXING HOLE OF
PC - BOARDS
OVER 1.8 mm
Fm < 60N
FR >= 16N

EC NO. 12005-0092	DRAWN BY: DR. N. S. YASHA CHECKED BY: CH. K. RASAD APPROVED BY: S. S. D. H. R.	2004/11/23 2004/11/23 2004/11/23	QUALITY SYMBOLS ▽=0 ▽=1	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
REV					mm		INCH		DRAWN BY		DATE	TITLE
					4 PLACES ± 0.05 ± 0.005		NS		2004/03/31		48 POS. MALE CONNECTOR ACC. DIN 41612 STYLE R/2 CONTACTS	
					3 PLACES ± 0.005 ± 0.005		CHECKED BY		DATE		MOLEX MOLEX INCORPORATED	
					2 PLACES ± 0.05 ± 0.005		GJLOWE		2004/03/31			
					1 PLACE ± 0.1 ± 0.005		APPROVED BY		DATE			
		ANGULAR ± 2 °		GJLOWE		2004/03/31		MOLEX MOLEX INCORPORATED				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					MATERIAL NO.		SEE CHART		DOCUMENT NO.		SHEET NO.	
					SIZE A1		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		E-85013-0002		2 OF 2	





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	A	A	A	A	A	A

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

A = 48 STANDARD CONTACTS L = 13.3

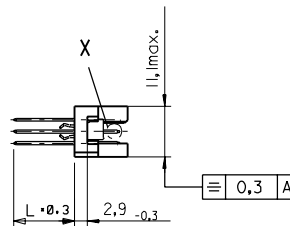
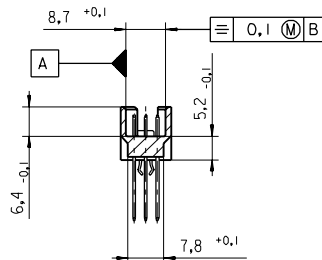
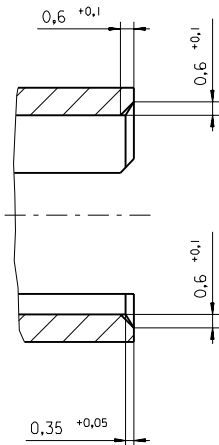
MARKING	STANDARD
PERFORMANCE LEVEL	G2/0 = CONTACT AREA LEVEL2 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	NO
DIMENSIONS	SD-85013-0002 SHT 1

A	G2/0	a1-16 b1-16 c1-16
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER

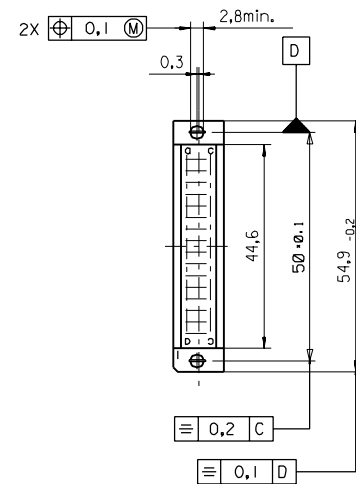
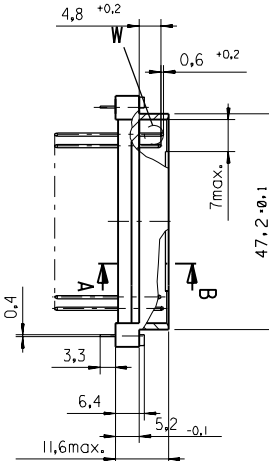
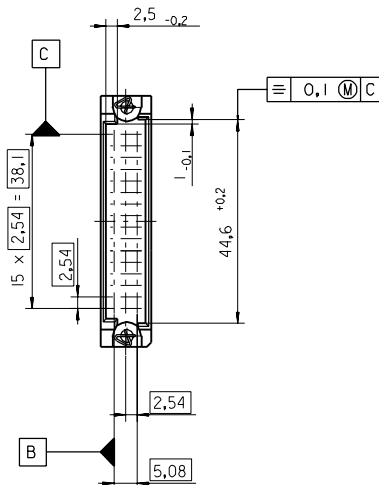
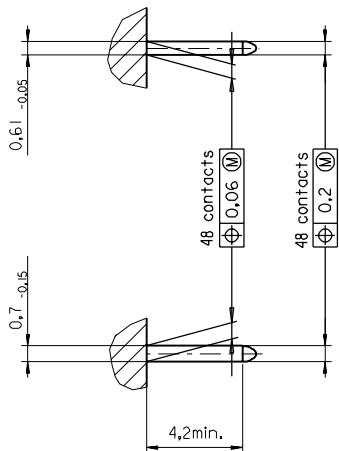
EC NO. I 2002-XXXX DRAWN: S 31/03/04 CHK: G.L. 31/03/04 APPR: G.L. 31/03/04		QUALITY SYMBOLS MAJOR CRITICAL	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE	DESIGN UNITS		THIRD ANGLE PROJECTION	DIMENSIONS:		SHT	REV	
			☐ mm ☐ INCH		☒ mm ☐ INCH	☐ mm ☐ INCH		☐ mm ONLY	REVISE ON CAD ONLY				
			DRAWN BY & DATE		N.S. 07/02/02	TITLE: 48 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE R/2 CONTACTS ARRANGEMENT							
			CHECKED BY & DATE		G.L. 07/02/02								
B		REV	APPROVED BY & DATE		G.L. 07/02/02	CAD FILENAME	MATERIAL NO.	DRAWING NO.	SHEET NO.				
			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.	S850132036.S01	85013-2036	SD-85013-2036	1 OF 1				

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	
1 PLACE ± . ±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MOLEX MOLEX EUROPE		SIZE B	
DESIGN DIMENSION	☒ MM	PART NO.		DWG NO.	
EQUIVALENT DIMENSION	☐ MM	SDA-85013-0002		SIZE	
IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY					

View on mating side

C	A	A	A	A	A	A	A	A	A
D	A	A	A	A	A	A	A	A	A
O	A	A	A	A	A	A	A	A	A

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

A = 48 standard contacts L=13,3

Marking	Standard
Performance level	G2/0 = Contact area perform. level2 / Termination tin
Flux proof	no
Fixing clip	no
Dimensions	SDA-85013-0002 sht.1
Technical Data	PS-85013-0001

A	G2/0	a1-l6	b1-l6	c1-l6
Contact symbol	Perform. level	Contact position number		

first release see ECN No. 1868	REVISIONS	FOR PREVIOUS REVISIONS SEE MRI LIST				UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR $\pm 2^\circ$ INCH METRIC	DRWG BY	SIGN	CAD/CAM PROJECT NAME	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	REV.																		
		LTR	3 PLACE $\pm$ °	2 PLACE $\pm$ °	1 PLACE $\pm$ °							SIGN	TITLE	48 pos. Male connector acc. DIN 41612 style R/2 contacts arrangement	REVISIONS														
																DESIGN DIMENSION ☐ MM ☐ IN.	EQUIVALENT DIMENSION ☐ MM ☐ IN.	SCALE	SIGN	TITLE	48 pos. Male connector acc. DIN 41612 style R/2 contacts arrangement	REVISIONS							
																							DESIGN DIMENSION ☐ MM ☐ IN.	EQUIVALENT DIMENSION ☐ MM ☐ IN.	SCALE	SIGN	TITLE	48 pos. Male connector acc. DIN 41612 style R/2 contacts arrangement	REVISIONS
IF TWO DIMENSIONS ARE SHOWN THE UPPER IS THE DESIGN DIMENSION, LOWER IS SECONDARY																													

REVISE ONLY ON CAD SYSTEM				SH.	REV.
CAD/CAM PROJECT NAME		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
TITLE					
48 pos. Male connector acc. DIN 41612 style R/2 contacts arrangement					
MOLEX		MOLEX EUROPE		SHEET NO. 1 OF 1	DATE 95/06/07
PART NO. 85013-2036		DWG NO. SDA-85013-2036		SIZE A	

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- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
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- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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JONHON

«JONHON» (основан в 1970 г.)

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«FORSTAR» (основан в 1998 г.)

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Электронная почта: ocean@oceanchips.ru

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