



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

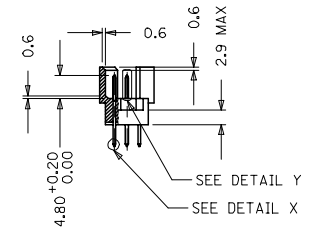
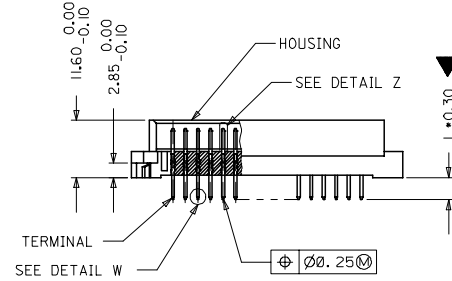
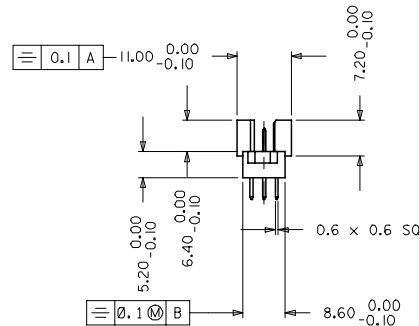
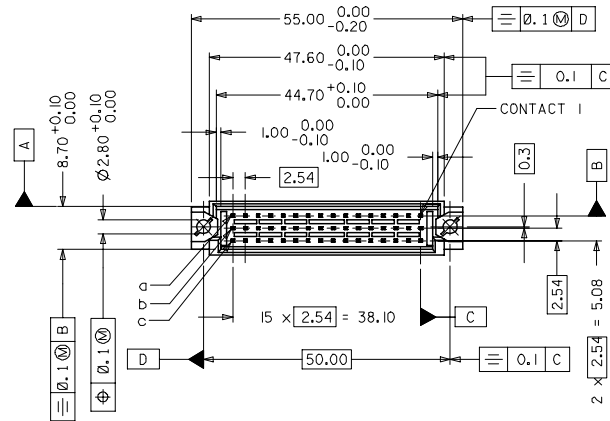
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



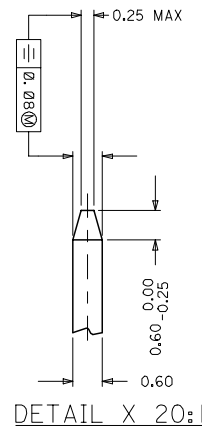
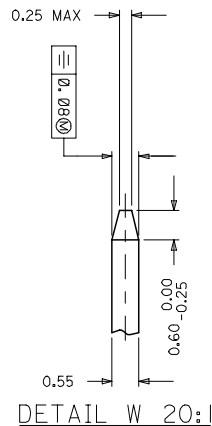
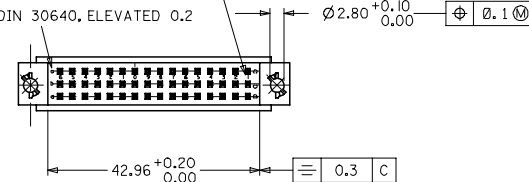
NOTES:

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 E1.25-5 DIN 30640, ELEVATED 0.2
(NUMBERED CONTINUOUSLY FROM 1 TO 16)

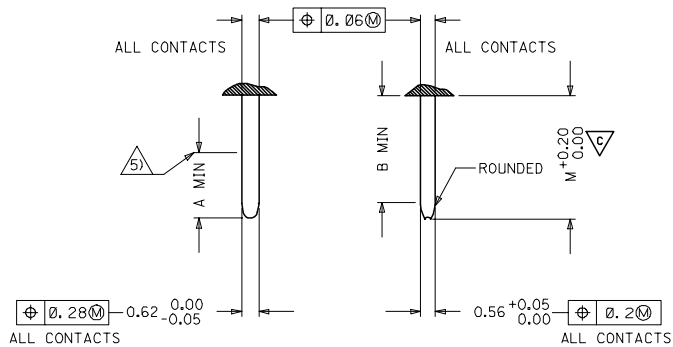
SCRIPT E1.5-6 DIN 30640, ELEVATED 0.2



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

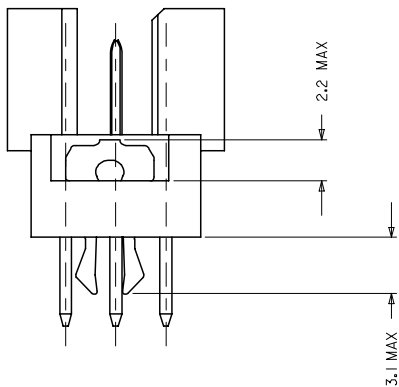
PRE MATING CONTACTS	5.4	4.1	4.8
NORMAL CONTACTS	4.8	3.5	4.2
	M	A	B

MALE CONNECTOR WITH MOUNTING CLIPS



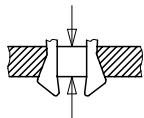
DETAIL Z

DETAIL Y



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

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



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



CLIPS STICK IN
FIXING HOLE OF
PC - BOARDS
OVER 1.8 mm
 $F_m < 60N$
 $F_r > 16N$

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

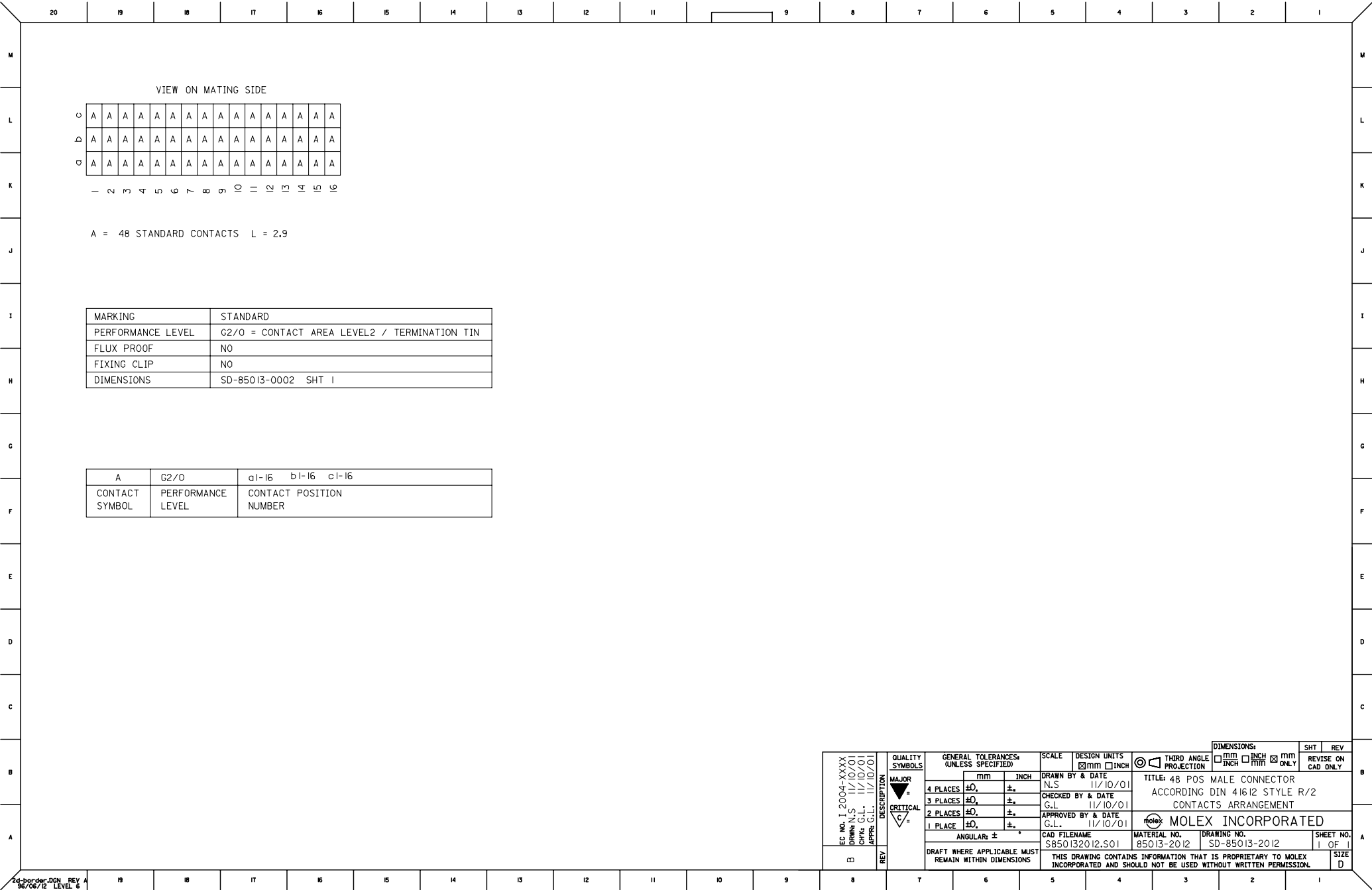
1
2
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15
16

A = 48 STANDARD CONTACTS L = 2.9

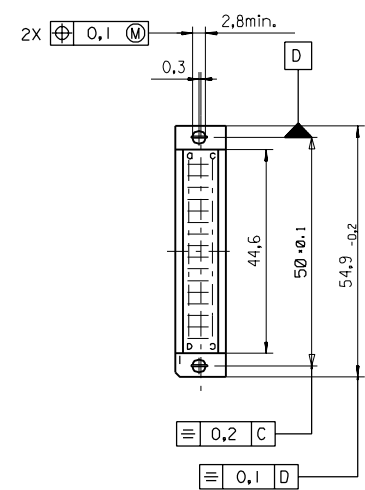
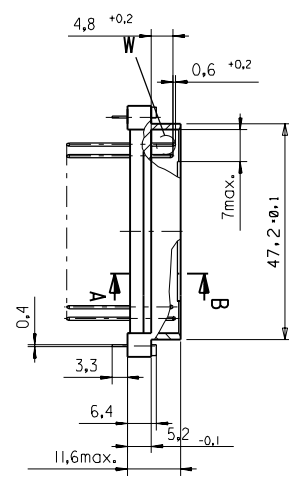
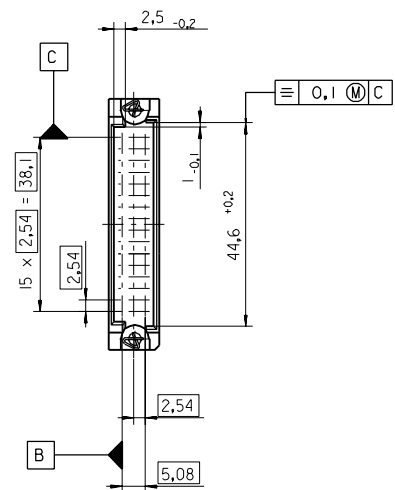
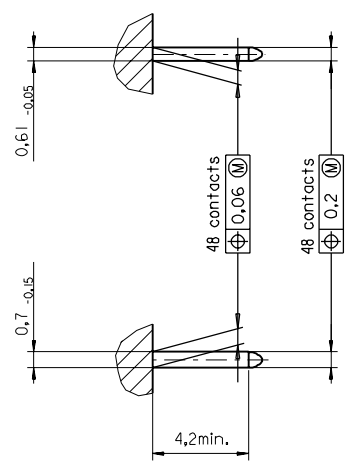
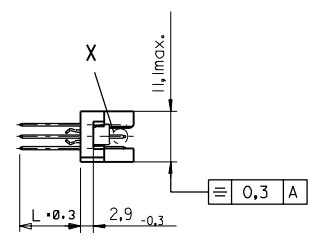
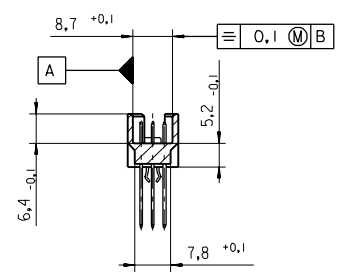
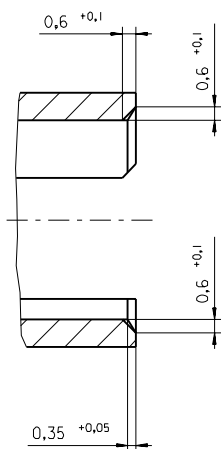
A	G2/O	a1-16	b1-16	c1-16
CONTACT SYMBOL	PERFORMANCE LEVEL	CONTACT POSITION NUMBER		

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 CHKD G.L. 31/03/04 APPR. G.L. 31/03/04		QUALITY SYMBOLS MAJOR = CRITICAL =		GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <thead> <tr> <th></th> <th>(mm)</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>±0.1</td> <td>±.</td> </tr> <tr> <td>3 PLACES</td> <td>±0.1</td> <td>±.</td> </tr> <tr> <td>2 PLACES</td> <td>±0.1</td> <td>±.</td> </tr> <tr> <td>1 PLACE</td> <td>±0.1</td> <td>±.</td> </tr> </tbody> </table>			(mm)	INCH	4 PLACES	±0.1	±.	3 PLACES	±0.1	±.	2 PLACES	±0.1	±.	1 PLACE	±0.1	±.	SCALE E-85013-2012		DESIGN UNITS ☒ mm ☐ INCH		THIRD ANGLE PROJECTION 		DIMENSIONS mm INCH mm INCH mm ONLY		SHT. REV. REVISE ON CAD ONLY	
	(mm)	INCH																												
4 PLACES	±0.1	±.																												
3 PLACES	±0.1	±.																												
2 PLACES	±0.1	±.																												
1 PLACE	±0.1	±.																												
A		REV		DRAWN BY & DATE N.S. 31/03/04 CHECKED BY & DATE G.L. 31/03/04 APPROVED BY & DATE G.L. 31/03/04		TITLE H8 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE R/2 CONTACTS ARRANGEMENT		MOLEX INCORPORATED		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 DRAWN N.S. 11/10/01 CHK'd G.L. 11/10/01 APPR G.L. 11/10/01			MAJOR CRITICAL MINOR	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE	DESIGN UNITS ☒ mm ☐ INCH		THIRD ANGLE PROJECTION	DIMENSIONS: ☐ mm ☐ INCH ☒ mm ONLY		SHT	REV
					☐ mm ☐ INCH							REVISE ON CAD ONLY		
					4 PLACES ± 0.1 $\pm$		DRAWN BY & DATE N.S. 11/10/01			TITLE: 48 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE R/2 CONTACTS ARRANGEMENT				
					3 PLACES ± 0.1 $\pm$		CHECKED BY & DATE G.L. 11/10/01							
B	REV			2 PLACES ± 0.1 $\pm$		APPROVED BY & DATE G.L. 11/10/01				MOLEX INCORPORATED				
				1 PLACE ± 0.1 $\pm$		CAD FILENAME				MATERIAL NO.		DRAWING NO.		SHEET NO.
				ANGULAR $\pm$		S85013202.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	



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

W

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