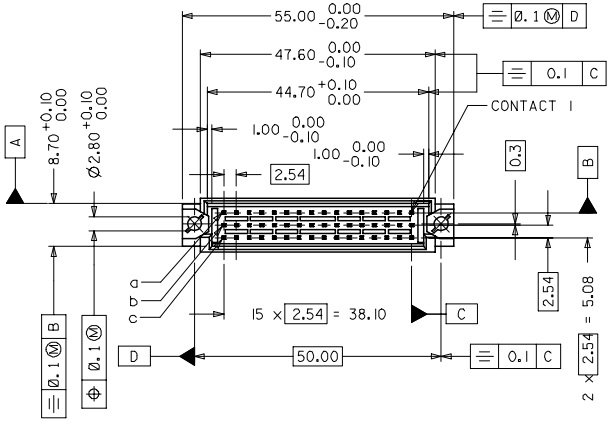
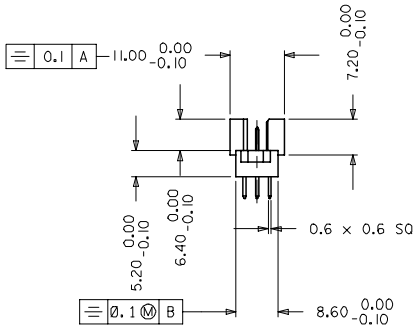
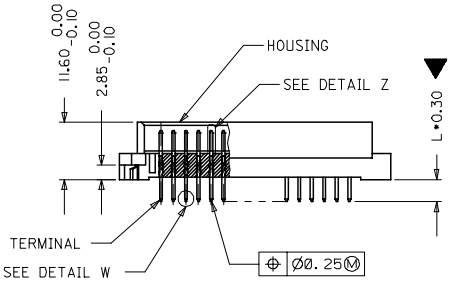
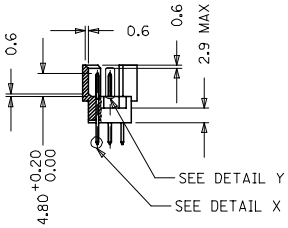
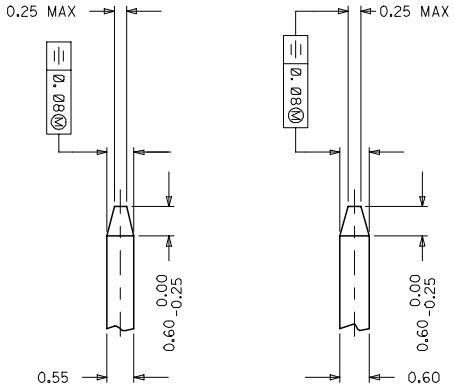
NOTES:
1. MATERIAL NUMBER, BATCH CODE, UL CSA MARKING TO BE PRINTED ON THE CONNECTOR AS PER E-36502-005
2. PRODUCT SPECIFICATION PS:85013-001
3. PACKING SPECIFICATION PK: 36512-001
4. CUT FACES OF TIP WITHOUT PLATING IS PERMITTED
5. REFERENCE AREA OF PLATING
6. GAUGE DRAWING REFER E-36500-100





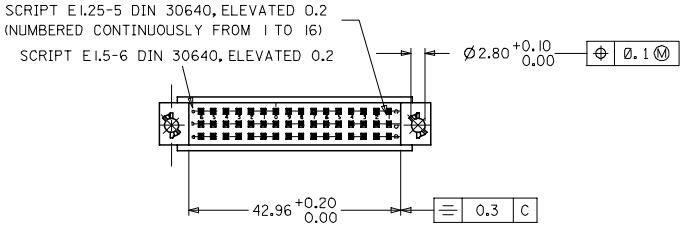






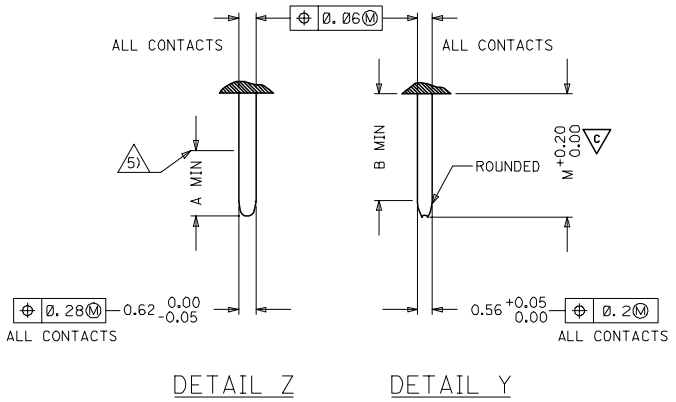
DETAIL W 20:1

DETAIL X 20:1

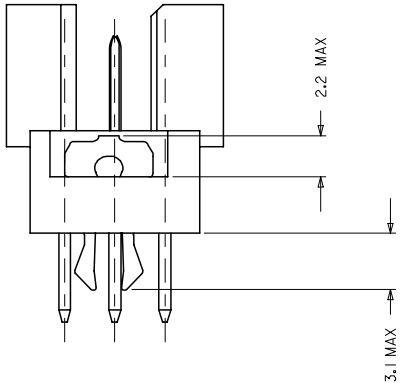


EC NO: I2005-0092	2004/11/23	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE: MM ONLY	SCALE: 2:1	DESIGN UNITS: METRIC
DRWN:SHIVASHA	2004/11/23		▼=1	mm / INCH	DRAWN BY: NS — DATE: 2004/03/31	TITLE: 48 POS. MALE CONNECTOR ACC. DIN 41612 STYLE R/2 CONTACTS	THIRD ANGLE PROJECTION
CHK:DKPRASAD	2004/11/23		▽=0	4 PLACES ±--- / ±---	CHECKED BY: GJLOWE — DATE: 2004/03/31		
APPR:SSUDHIR	2004/11/23			3 PLACES ±0.005 / ±---	APPROVED BY: GJLOWE — DATE: 2004/03/31	molex MOLEX INCORPORATED	
B		REV		2 PLACES ±0.05 / ±---	MATERIAL NO.: SEE CHART	DOCUMENT NO.: E-85013-0002	SHEET NO.: 1 OF 2
				1 PLACE ±0.1 / ±---			
				ANGULAR ± 2 °			
				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	

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

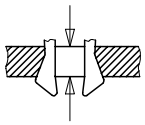


MALE CONNECTOR WITH MOUNTING CLIPS



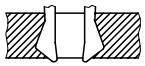
CLIPS SNAP UNDER
PC - BOARD OF
1.5 to 1.8 mm
Fm =< 60N
Fr >= 20N
Fr >= 200N, WHEN
SOLDERED IN
PLATED - THROUGH
FIXING HOLES

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: I2005-0092		
DRWN:SHIVASHA	2004/11/23	
CHKD:KPRASAD	2004/11/23	
APPR:SSUDHIR	2004/11/23	
B	REV	DESCRIPTION

QUALITY SYMBOLS
▼=0
▽=1

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±---	±---
3 PLACES	±0.005	±---
2 PLACES	±0.05	±---
1 PLACE	±0.1	±---
ANGULAR ± 2 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY	SCALE: 2:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: NS	DATE: 2004/03/31	TITLE: 48 POS. MALE CONNECTOR ACC. DIN 41612 STYLE R/2 CONTACTS	
CHECKED BY: GJLOWE	DATE: 2004/03/31		
APPROVED BY: GJLOWE	DATE: 2004/03/31	molex MOLEX INCORPORATED	
MATERIAL NO.: SEE CHART		DOCUMENT NO.: E-85013-0002	SHEET NO.: 2 OF 2
SIZE: A1	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

VIEW ON MATING SIDE

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
c	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
b	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 = 48 STANDARD CONTACTS L = 2.9

MARKING	STANDARD
PERFORMANCE LEVEL	G2/0 = CONTACT AREA LEVEL2 / TERMINATION TIN
FLUX PROOF	NO
FIXING CLIP	NO
DIMENSIONS	E-85013-0002 SHT 1-2

A	G2/0	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. 12004-XXXX
DRWN: N.S 31/03/04
CH'K: G.L. 31/03/04
APPR: G.L. 31/03/04
DESCRIPTION
A
REV

QUALITY SYMBOLS
MAJOR
CRITICAL

GENERAL TOLERANCES: (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±0.	±.
3 PLACES	±0.	±.
2 PLACES	±0.	±.
1 PLACE	±0.	±.
ANGULAR: ±		°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SCALE
DESIGN UNITS ☒mm ☐INCH
THIRD ANGLE PROJECTION
DIMENSIONS: ☐ mm/INCH ☐ INCH/mm ☒ mm ONLY
SHT REV
REVISE ON CAD ONLY

DRAWN BY & DATE N.S 31/03/04
CHECKED BY & DATE G.L 31/03/04
APPROVED BY & DATE G.L. 31/03/04
CAD FILENAME E-85013-2012.S01

TITLE: 48 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
SIZE D

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

VIEW ON MATING SIDE

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
c	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
b	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 = 48 STANDARD CONTACTS L = 2.9

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. 1 2004-XXXX
DRWN: N.S 11/10/01
CH'K: G.L. 11/10/01
APPR: G.L. 11/10/01
DESCRIPTION
B
REV

QUALITY SYMBOLS
MAJOR
CRITICAL

GENERAL TOLERANCES: (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±0.	±.
3 PLACES	±0.	±.
2 PLACES	±0.	±.
1 PLACE	±0.	±.
ANGULAR: ± °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SCALE
DESIGN UNITS ☒mm ☐INCH
THIRD ANGLE PROJECTION
DIMENSIONS: ☐mm/INCH ☐INCH/mm ☒mm ONLY
SHT REV
REVISE ON CAD ONLY

DRAWN BY & DATE N.S 11/10/01
CHECKED BY & DATE G.L 11/10/01
APPROVED BY & DATE G.L. 11/10/01

TITLE: 48 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE R/2 CONTACTS ARRANGEMENT

molex MOLEX INCORPORATED

CAD FILENAME S850132012.S01
MATERIAL NO. 85013-2012
DRAWING NO. SD-85013-2012
SHEET NO. 1 OF 1
SIZE D

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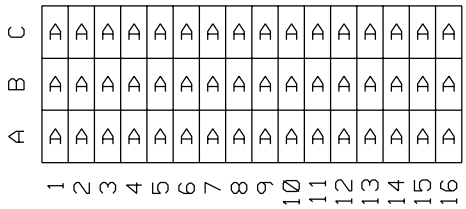
VIEW ON MATING SIDE



A = 48 STANDARD CONTACTS L=2,9

Marking	Standard
Performance level	G2/0 = Contact area perform. level 2 / Termination tin
Flux proof	no
Fixing clip	no
Dimensions	SDA-85013-0002 sht.1
Technical Data	PS-85013-0001

A	G2/0	a1-16 b1-16 c1-16
Contact symbol	Perform. level	Contact position number

LTR	REVISIONS	FOR PREVIOUS REVISIONS SEE MRI LIST
A	first release see ECN No. 1868	

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	Ca	SIGN
CHK'D BY	KN	SIGN
APP'D BY		SIGN
SCALE		

REVISE ONLY ON CAD SYSTEM | SH. | REV.

CADCAM PROJECT NAME s8501320 s11

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. 85013-2012

DWG NO. SDA-85013-2012

SIZE A