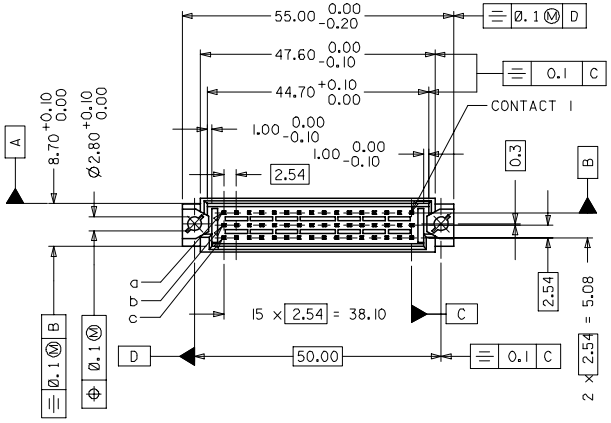
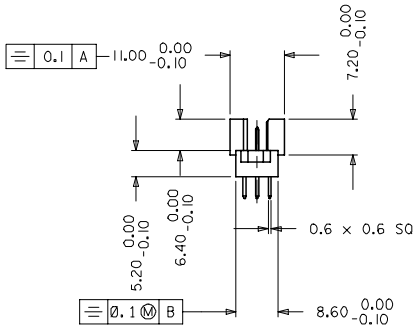
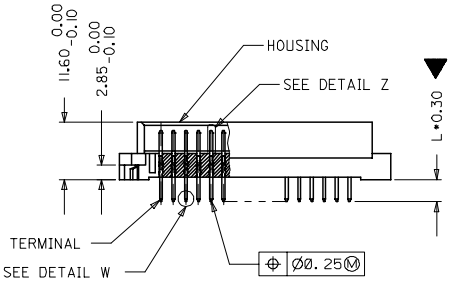
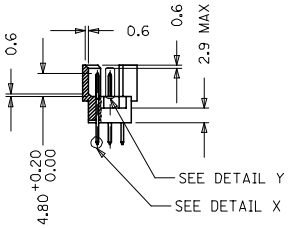
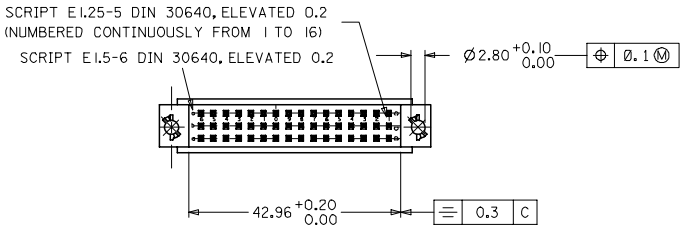
NOTES:
1. MATERIAL NUMBER, BATCH CODE, UL CSA MARKING TO BE PRINTED ON THE CONNECTOR AS PER E-36502-005
2. PRODUCT SPECIFICATION PS:85013-001
3. PACKING SPECIFICATION PK: 36512-001
4. CUT FACES OF TIP WITHOUT PLATING IS PERMITTED
5. REFERENCE AREA OF PLATING
6. GAUGE DRAWING REFER E-36500-100

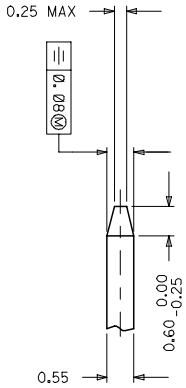




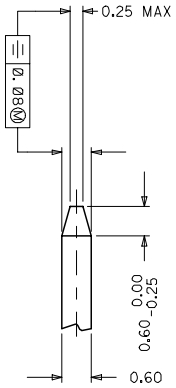








DETAIL W 20:1



DETAIL X 20:1

EC NO: I2005-0092	2004/11/23	DRWN:SHIVASHA	2004/11/23	CHK:DKPRASAD
APPR:SSUDHIR	2004/11/23	DESCRIPTION	REV	B

QUALITY SYMBOLS: ▼=1, ▽=0

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

		DATE
DRAWN BY	NS	2004/03/31
CHECKED BY	GJLOWE	2004/03/31
APPROVED BY	GJLOWE	2004/03/31

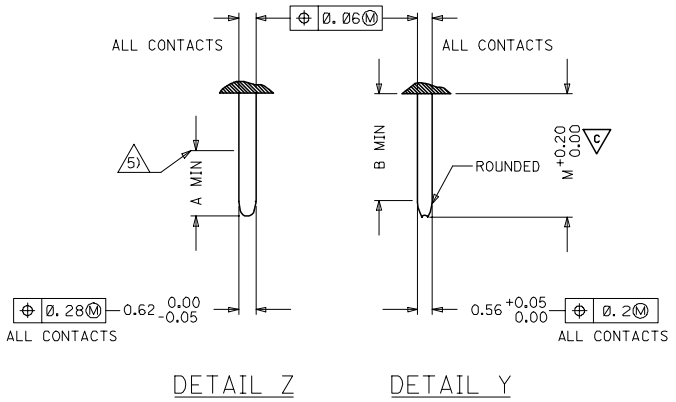
TITLE: 48 POS. MALE CONNECTOR ACC. DIN 41612 STYLE R/2 CONTACTS

MOLEX INCORPORATED

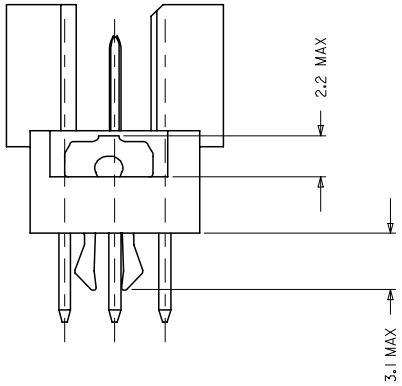
MATERIAL NO.: SEE CHART
DOCUMENT NO.: E-85013-0002
SHEET NO.: 1 OF 2
SIZE: A1

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

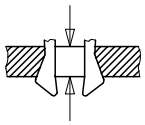


MALE CONNECTOR WITH MOUNTING CLIPS



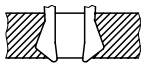
CLIPS SNAP UNDER
PC - BOARD OF
1.5 to 1.8 mm
Fm =< 60N
Fr >= 20N
Fr >= 200N, WHEN
SOLDERED IN
PLATED - THROUGH
FIXING HOLES

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	
CHK:DXPRASAD	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 = 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

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

EC NO. 1 2002-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 C =

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
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-85013-2036.S01

THIRD ANGLE PROJECTION

DIMENSIONS: ☐ mm/INCH ☐ INCH/mm ☒ mm ONLY
SHT REV
REVISE ON CAD ONLY

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

molex MOLEX INCORPORATED

MATERIAL NO. 85013-2036
DRAWING NO. E-85013-2036
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 = 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. 1 2002-XXXX		
DRWN N.S	31/03/04	
CH'K G.L.	31/03/04	
APPR G.L.	31/03/04	
B		
REV	DESCRIPTION	

QUALITY SYMBOLS
MAJOR ▼ =
CRITICAL (C) =

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 07/02/02
CHECKED BY & DATE G.L 07/02/02
APPROVED BY & DATE G.L. 07/02/02
CAD FILENAME S850132036.S01

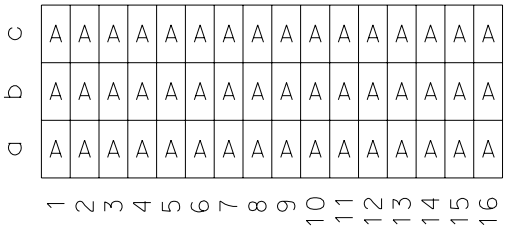
TITLE: 48 POS MALE CONNECTOR ACCORDING DIN 41612 STYLE R/2 CONTACTS ARRANGEMENT

molex MOLEX INCORPORATED

MATERIAL NO. 85013-2036
DRAWING NO. SD-85013-2036
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



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	a1-16 b1-16 c1-16
Contact symbol	Perform. level	Contact position number

REVISE ONLY ON CAD SYSTEM | SH. | REV.

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

CADCAM 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 EUROPE

SHEET NO. 1 OF 1 | DATE 95/06/07

PART NO. 85013-2036 | DWG NO. SDA-85013-2036 | SIZE A