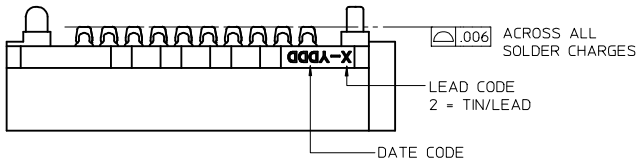
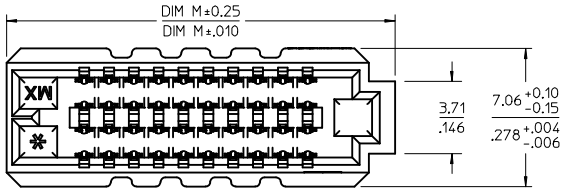
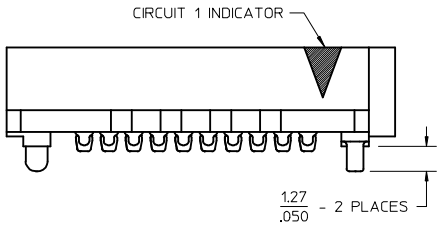
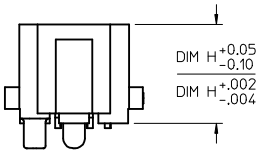
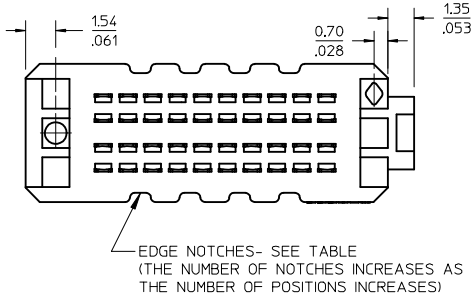


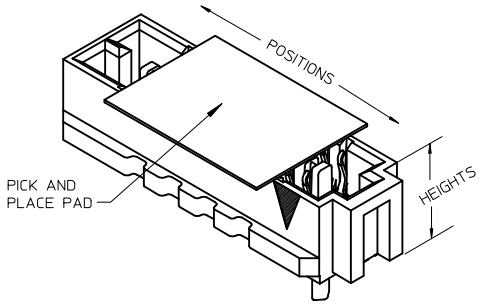








10 POSITION VERSION
SHOWN IN THESE VIEWS



NOTES:

1. MATERIALS: HOUSING- LCP, GLASS FILLED, UL94V-0, BLACK
   CONTACTS- COPPER ALLOY
   SOLDER CHARGE: 63% TIN, 37% LEAD
2. FINISHES: 30 MICROINCH MINIMUM GOLD IN THE CONTACT AREA,
   50 MICROINCH MINIMUM TIN IN THE TAIL AREA,
   OVERALL NICKEL UNDERPLATE.
3. PRODUCT SPECIFICATION: PS-45970-001
4. PACKAGING SPECIFICATION: PK-45971-002
5. MATES WITH SEARAY SLIM PLUG ASSY 46556
6. APPLICATION SPECIFICATION: AS-45970-001
7. COSMETIC SPECIFICATION: PS-45499-002 CLASS B
8. PART STATUS: CONTACT MOLEX

POSITIONS	DIM M	⌓	TOTAL NUMBER OF EDGE NOTCHES
10	19.86/.782	0.15/.006	8
15	26.21/1.032	0.15/.006	14
20	32.56/1.282	0.15/.006	18
25	38.91/1.532	0.15/.006	24
30	45.26/1.782	0.15/.006	28
35	51.62/2.032	0.15/.006	34
40	57.96/2.282	0.15/.006	36
45	64.31/2.532	0.23/.009	44
50	70.66/2.782	0.23/.009	48

INITIAL RELEASE
EC NO: UCP2015-1206
DRWN:RWHIPPLE 2014/10/22
CH'KD:DMORGAN 2014/10/22
APPR:SMILLER 2015/01/05
DESCRIPTION
A
REV

QUALITY SYMBOLS
F/A=0
F/C=0
F/P=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .015
1 PLACE	± 0.38	± ---
0 PLACE	±	±

ANGULAR ±---°
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 4:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

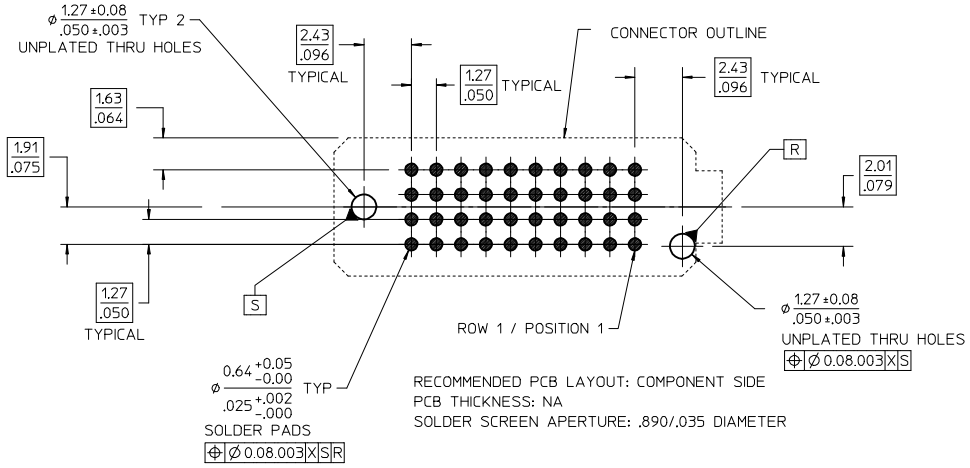
DRAWN BY: RWHIPPLE DATE: 2014/10/22
CHECKED BY: DMORGAN DATE: 2014/10/22
APPROVED BY: SMILLER DATE: 2015/01/05
MATERIAL NO.: SEE TABLE SHT 3

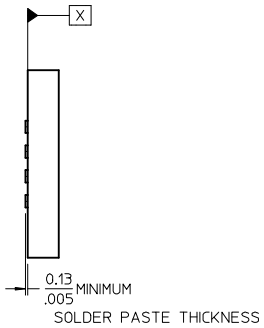
TITLE: SEARAY SLIM (4 ROW) RECEPTACLE ASSEMBLY 1.27/.050 PITCH TIN/LEAD

molex

DOCUMENT NO.: RSD-46557-001
SHEET NO.: 1 OF 3
SIZE: B

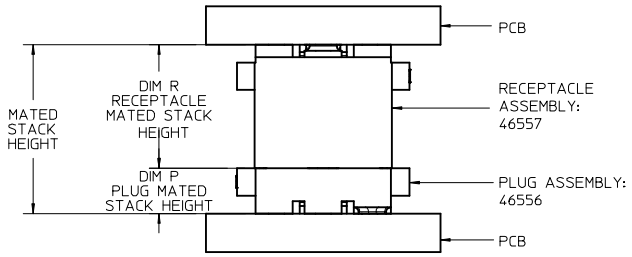
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION





		DIM R RECEPTACLE STACK HEIGHT				
	MM	5.0	6.0	6.5	7.5	8.0
DIM P PLUG STACK HEIGHT	2.0	7.0	8.0	8.5	9.5	10.0
	3.0	8.0	9.0	9.5	10.5	11.0
	3.5	8.5	9.5	10.0	11.0	11.5
	2.5	7.5	8.5	9.0	10.0	10.5
	4.5	9.5	10.5	11.0	12.0	12.5
	5.0	10.0	11.0	11.5	12.5	13.0
	7.0	12.0	13.0	13.5	14.5	15.0

MATED STACK HEIGHTS
GIVEN IN MILLIMETERS (MM) FOR REFERENCE ONLY



MATED STACK HEIGHTS
GIVEN IN MILLIMETERS (MM) FOR REFERENCE ONLY

SEE SHEET 1
EC NO: UCP2015-1206
DRWN:RWHIPPLE 2014/10/22
CHKD:DMORGAN 2014/10/22
APPR:SMILLER 2015/01/05
DESCRIPTION
A
REV

QUALITY SYMBOLS
F_A=0
F_C=0
F_P=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .015
1 PLACE	± 0.38	± ---
0 PLACE	±	±

ANGULAR ±---°
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 4:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: RWHIPPLE DATE: 2014/10/22
CHECKED BY: DMORGAN DATE: 2014/10/22
APPROVED BY: SMILLER DATE: 2015/01/05
MATERIAL NO.: SEE TABLE SHT 3

TITLE: SEARAY SLIM (4 ROW) RECEPTACLE ASSEMBLY 1.27/.050 PITCH TIN/LEAD

molex

DOCUMENT NO.: RSD-46557-001
SHEET NO.: 2 OF 3
SIZE: B

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

DIM R: (REF)	5.0 MM	6.0 MM	6.5 MM	7.5 MM	8.0 MM
DIM H:	5.04/.199	6.04/.238	6.55/.258	7.54/.297	8.05/.317
POSITIONS	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO
10	46557-1147	46557-1247	46557-1347	46557-1447	46557-1547
20	46557-2147	46557-2247	46557-2347	46557-2447	46557-2547
30	46557-3147	46557-3247	46557-3347	46557-3447	46557-3547
40	46557-4147	46557-4247	46557-4347	46557-4447	46557-4547
50	46557-5147	46557-5247	46557-5347	46557-5447	46557-5547
15	46557-6147	46557-6247	46557-6347	46557-6447	46557-6547
25	46557-7147	46557-7247	46557-7347	46557-7447	46557-7547
35	46557-8147	46557-8247	46557-8347	46557-8447	46557-8547
45	46557-9147	46557-9247	46557-9347	46557-9447	46557-9547

MATED STACK HEIGHTS
GIVEN IN MILLIMETERS (MM) FOR REFERENCE ONLY

SEE SHEET 1
EC NO: UCP2015-1206
DRWN:RWHIPPLE 2014/10/22
CHKD:DMORGAN 2014/10/22
APPR:SMILLER 2015/01/05
DESCRIPTION
A
REV

QUALITY SYMBOLS
F_A=0
F_C=0
F_P=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .015
1 PLACE	± 0.38	± ---
0 PLACE	±	±

ANGULAR ±---°
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 1:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

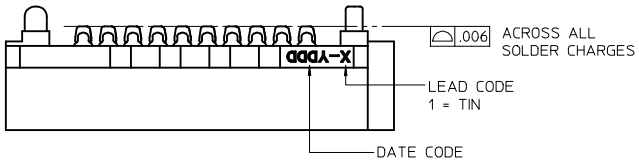
DRAWN BY: RWHIPPLE DATE: 2014/10/22
CHECKED BY: DMORGAN DATE: 2014/10/22
APPROVED BY: SMILLER DATE: 2015/01/05

TITLE: SEARAY SLIM (4 ROW) RECEPTACLE ASSEMBLY 1.27/.050 PITCH TIN/LEAD

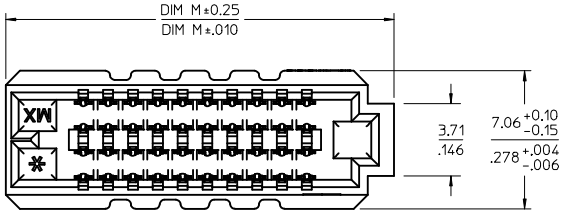
molex

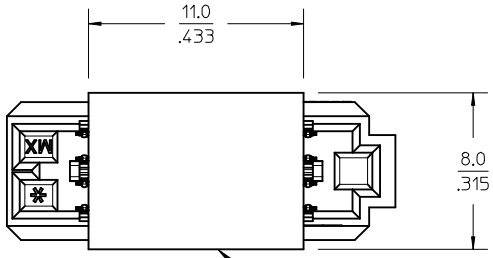
MATERIAL NO.: SEE TABLE
DOCUMENT NO.: RSD-46557-001
SHEET NO.: 3 OF 3
SIZE: B

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

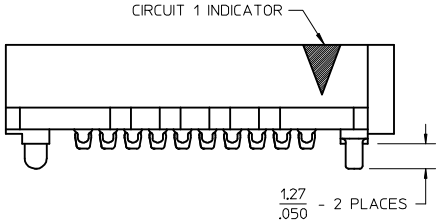


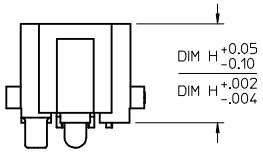
NOTE: THESE CODES MAY BE LOCATED ON EITHER SIDE OF THE HOUSING

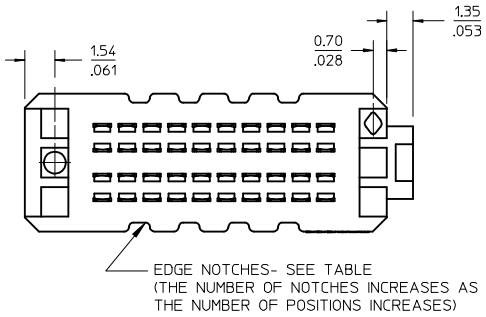




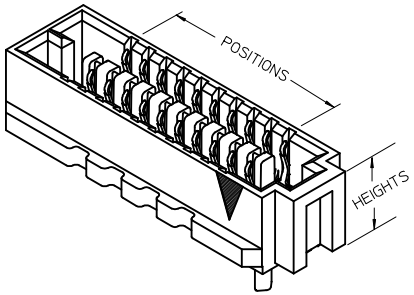
PICK AND PLACE PAD
(SHOWN IN THIS VIEW ONLY)







10 POSITION VERSION
SHOWN IN THESE VIEWS



NOTES:
1. MATERIALS: HOUSING: GLASS FILLED LCP (LIQUID CRYSTAL POLYMER), UL94V-0, BLACK
   CONTACTS: COPPER ALLOY
   SOLDER CHARGE: 95.5% TIN. 3.8% SILVER, 0.7 % COPPER
2. FINISHES: 30 MICROINCH MINIMUM GOLD IN THE CONTACT AREA,
   50 MICROINCH MINIMUM TIN IN THE TAIL AREA,
   OVERALL NICKEL UNDERPLATE.
3. PRODUCT SPECIFICATION: PS-45970-001
4. PACKAGING SPECIFICATION: PK-45971-002 (TAPE AND REEL)
5. MATES WITH SEARAY SLIM PLUG ASSY SERIES 46556
6. APPLICATION SPECIFICATION: AS-45970-001
7. COSMETIC SPECIFICATION: PS-45499-002 CLASS B
8. PART STATUS: CONTACT MOLEX

POSITIONS	DIM M	⌒	TOTAL NUMBER OF EDGE NOTCHES
10	19.88/.784	0.15/.006	8
15	26.23/1.034	0.15/.006	14
20	32.58/1.284	0.15/.006	18
25	38.93/1.534	0.15/.006	24
30	45.28/1.784	0.15/.006	28
35	51.63/2.034	0.15/.006	34
40	57.98/2.284	0.15/.006	38
45	64.33/2.534	0.23/.009	44
50	70.68/2.784	0.23/.009	48

CLARIFY OVERALL LENGTH
EC NO: UCP2015-5493
DRWN:SVANGO1 2015/06/25
CHKD:TIBARRA 2015/08/04
APPR:SMILLER 2015/08/07
DESCRIPTION
REV 0

QUALITY SYMBOLS
E_A=0
E_C=0
E_P=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .015
1 PLACE	± 0.38	± ---
0 PLACE	±	±

ANGULAR ±---°
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 4:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

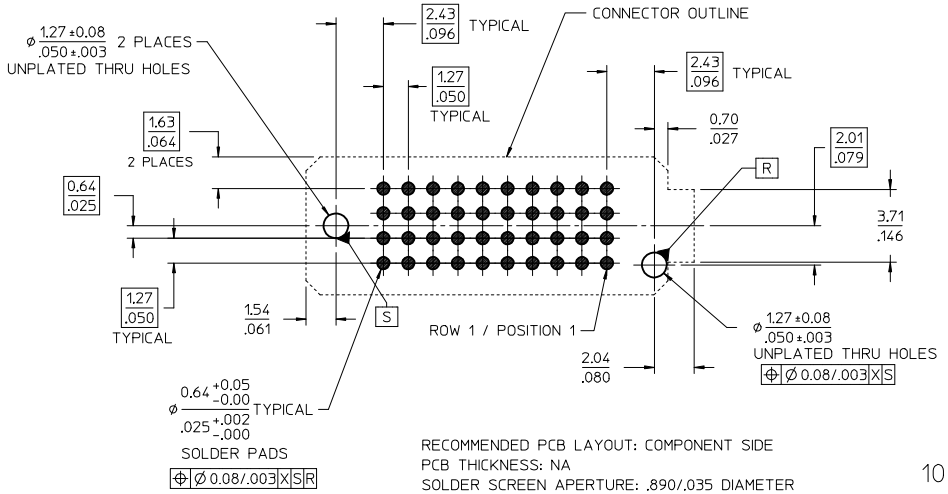
		DATE
DRAWN BY	TGREGORI	2007/05/21
CHECKED BY	JCOMERCI	2007/05/21
APPROVED BY	JCOMERCI	2010/03/05

TITLE: SEARAY SLIM (4 ROW) RECEPTACLE ASSEMBLY 1.27/.050 PITCH

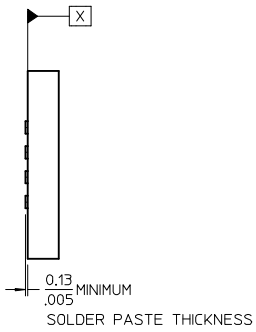
molex

MATERIAL NO.: SEE TABLE SHT 3
DOCUMENT NO.: SD-46557-001
SHEET NO.: 1 OF 3
SIZE: B

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



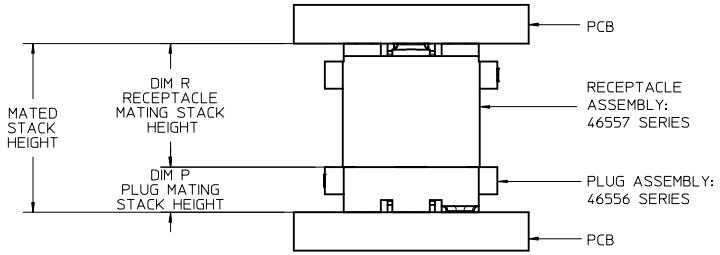
RECOMMENDED PCB LAYOUT: COMPONENT SIDE
PCB THICKNESS: NA
SOLDER SCREEN APERTURE: .890/.035 DIAMETER



10 POSITION
VERSION SHOWN

		DIM R RECEPTACLE STACK HEIGHT				
	MM	5.0	6.0	6.5	7.5	8.0
DIM P PLUG STACK HEIGHT	2.0	7.0	8.0	8.5	9.5	10.0
	3.0	8.0	9.0	9.5	10.5	11.0
	3.5	8.5	9.5	10.0	11.0	11.5
	2.5	7.5	8.5	9.0	10.0	10.5
	4.5	9.5	10.5	11.0	12.0	12.5
	5.0	10.0	11.0	11.5	12.5	13.0
	7.0	12.0	13.0	13.5	14.5	15.0

MATED STACK HEIGHTS
GIVEN IN MILLIMETERS (MM) FOR REFERENCE ONLY



STACK HEIGHTS
GIVEN IN MILLIMETERS (MM) FOR REFERENCE ONLY

SEE SHEET 1
EC NO: UCP2015-5493
DRWN:SVANGO1 2015/06/25
CHKD:TIBARRA 2015/08/04
APPR:SMILLER 2015/08/07
DESCRIPTION
REV 0

QUALITY SYMBOLS
FA=0
FC=0
FP=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .015
1 PLACE	± 0.38	± ---
0 PLACE	±	±

ANGULAR ±---°
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 4:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: TGREGORI DATE: 2007/05/21
CHECKED BY: JCOMERCI DATE: 2007/05/21
APPROVED BY: JCOMERCI DATE: 2010/03/05
MATERIAL NO.: SEE TABLE SHT 3

TITLE: SEARAY SLIM (4 ROW) RECEPTACLE ASSEMBLY 1.27/.050 PITCH

molex

DOCUMENT NO.: SD-46557-001
SHEET NO.: 2 OF 3
SIZE: B

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

DIM R: (REF)	5.0 MM	6.0 MM	6.5 MM	7.5 MM	8.0 MM
DIM H:	5.04/.199	6.04/.238	6.55/.258	7.54/.297	8.05/.317
POSITIONS	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO
10	46557-1145	46557-1245	46557-1345	46557-1445	46557-1545
20	46557-2145	46557-2245	46557-2345	46557-2445	46557-2545
30	46557-3145	46557-3245	46557-3345	46557-3445	46557-3545
40	46557-4145	46557-4245	46557-4345	46557-4445	46557-4545
50	46557-5145	46557-5245	46557-5345	46557-5445	46557-5545
15	46557-6145	46557-6245	46557-6345	46557-6445	46557-6545
25	46557-7145	46557-7245	46557-7345	46557-7445	46557-7545
35	46557-8145	46557-8245	46557-8345	46557-8445	46557-8545
45	46557-9145	46557-9245	46557-9345	46557-9445	46557-9545

MATING STACK HEIGHTS (DIMENSION R)
GIVEN IN MILLIMETERS (MM) FOR REFERENCE ONLY

SEE SHEET 1
EC NO: UCP2015-5493
DRWN:SVANGO1 2015/06/25
CHKD:TIBARRA 2015/08/04
APPR:SMILLER 2015/08/07
DESCRIPTION
0
REV

QUALITY SYMBOLS
F_A=0
F_C=0
F_P=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .015
1 PLACE	± 0.38	± ---
0 PLACE	±	±

ANGULAR ±---°
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 1:1
DESIGN UNITS: INCH
THIRD ANGLE PROJECTION

DRAWN BY: TGREGORI DATE: 2007/05/21
CHECKED BY: JCOMERCI DATE: 2007/05/21
APPROVED BY: JCOMERCI DATE: 2010/03/05
MATERIAL NO.: SEE TABLE
SIZE: B

TITLE: SEARAY SLIM (4 ROW) RECEPTACLE ASSEMBLY 1.27/.050 PITCH

molex

DOCUMENT NO.: SD-46557-001
SHEET NO.: 3 OF 3

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