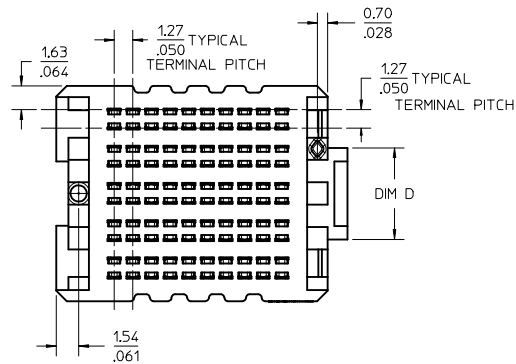
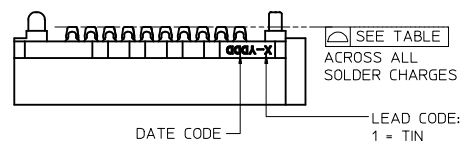


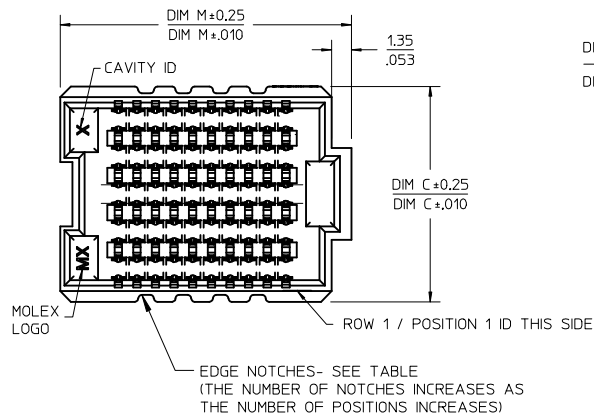
10 9 8 7 6 5 4 3 2 1



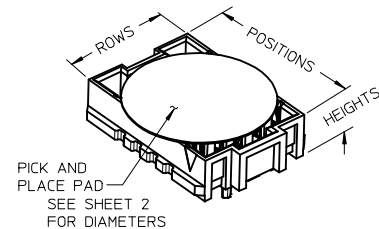
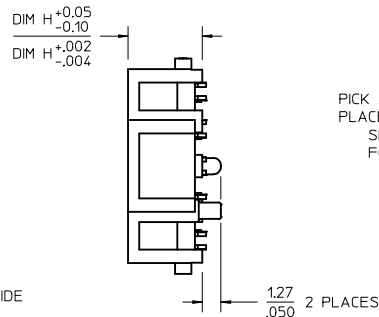
10 ROW
10 POSITION
SHOWN



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



SEE SHEET 3 FOR
6 ROW GEOMETRY

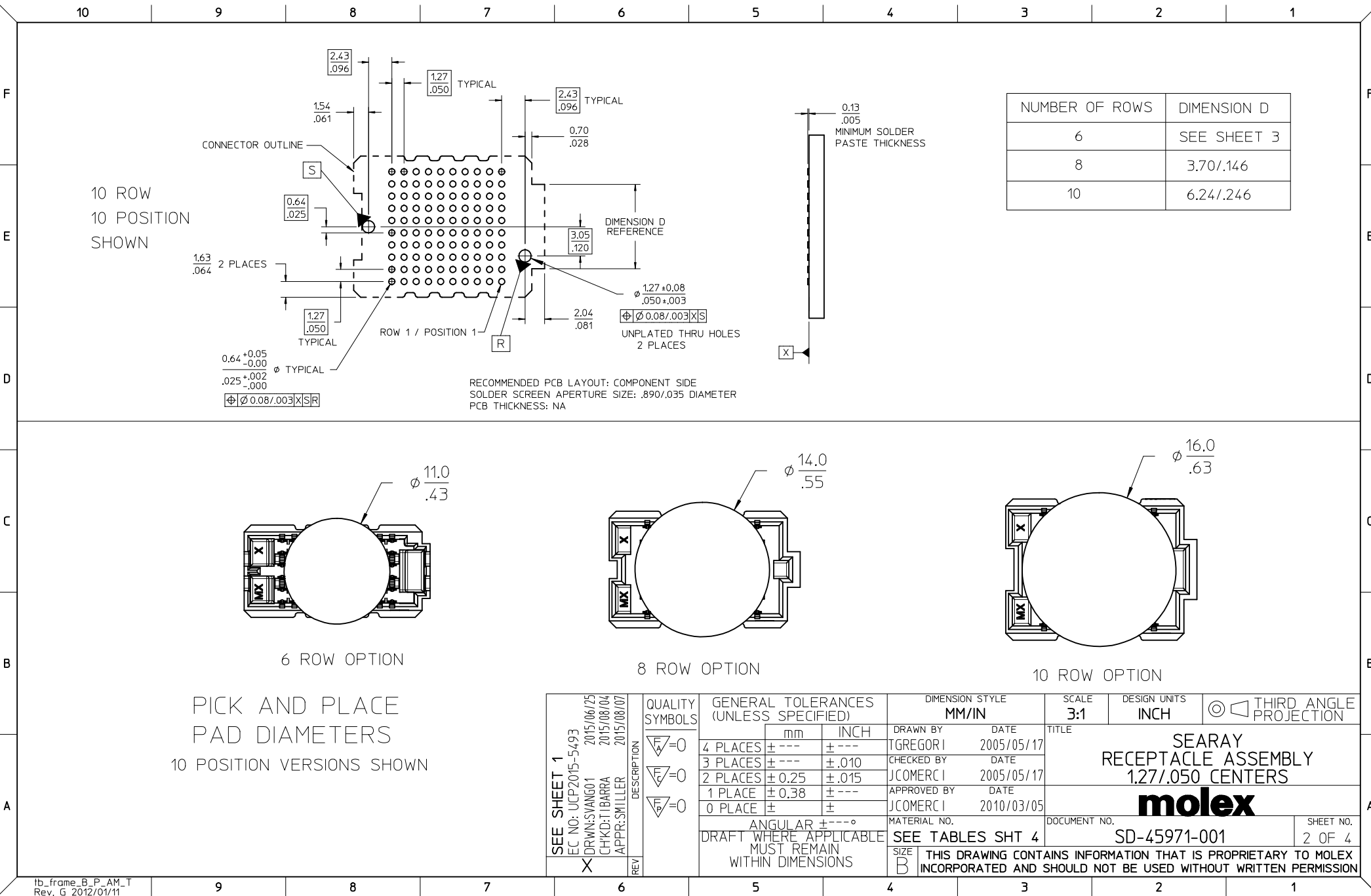


NOTES:

1. MATERIALS: HOUSING: GLASS FILLED LCP (LIQUID CRYSTAL POLYMER), UL94V-0, BLACK
CONTACTS: COPPER ALLOY
SOLDER CHARGE: 95% TIN, 3.8% SILVER, 0.7% COPPER
2. FINISH: SELECT GOLD IN CONTACT AREA: 30 MICROINCH MINIMUM
SELECT TIN IN TAIL, 50 MICROINCH MINIMUM
OVERALL NICKEL UNDERPLATE
3. PRODUCT SPECIFICATION: PS-45970-001
4. PACKAGING SPECIFICATION: PK-45971-002 (TAPE AND REEL)
5. MATES WITH SEARAY PLUG ASSEMBLY SERIES 45970
6. APPLICATION SPECIFICATION: AS-45970-001
7. COSMETIC SPECIFICATION: PS-45499-002 CLASS B
8. PART STATUS: CONTACT MOLEX

POSITIONS	TOTAL NUMBER OF EDGE NOTCHES	
10	8	0.15/.006
15	14	
20	18	
25	24	
30	28	
35	34	0.23/.009
40	38	
45	44	
50	48	

CLARIFY OVERALL LENGTH EC NO: UCP2015-5493 DRAWN: SVANG01 2015/06/15 CHKD: TIBARRA 2015/08/04 APPR: SMILLER 2015/08/07 REV X	QUALITY SYMBOLS ▽=0 ▽=0 ▽=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 DRAWN BY DATE TREGORI 2005/05/17 CHECKED BY DATE JCOMERCI 2005/05/17 APPROVED BY DATE JCOMERCI 2010/03/05 MATERIAL NO. SEE TABLES SHT 4 SIZE B	SCALE 3:1 DESIGN UNITS INCH THIRD ANGLE PROJECTION SEARAY RECEPTACLE ASSEMBLY 1.27/.050 CENTERS molex DOCUMENT NO. SD-45971-001 SHEET NO. 1 OF 4



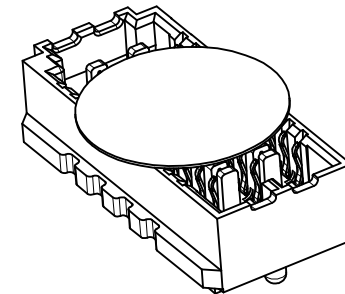
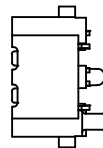
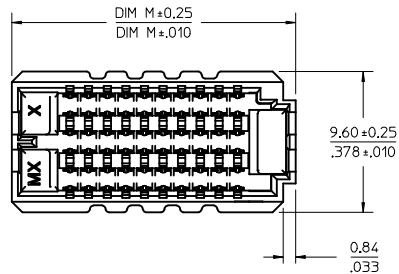
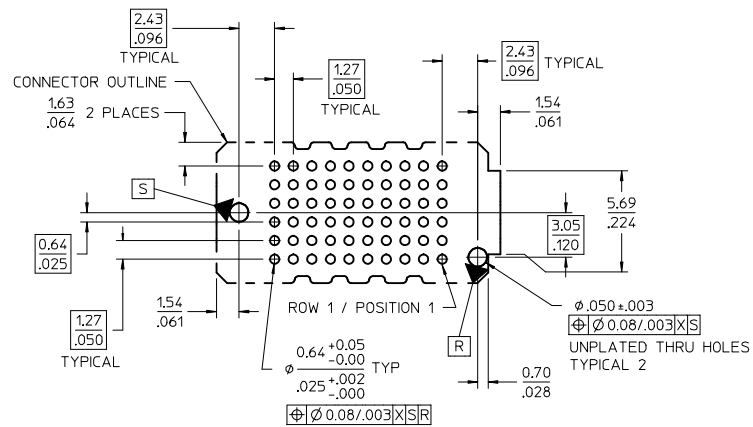
NUMBER OF ROWS	DIMENSION D
6	SEE SHEET 3
8	3.70/.146
10	6.24/.246

PICK AND PLACE
PAD DIAMETERS
10 POSITION VERSIONS SHOWN

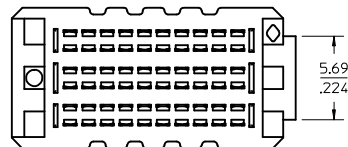
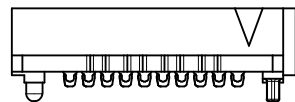
SEE SHEET 1 EC NO: UCP2015-5493 DRWN:SVANG01 2015/06/25 CHKD:TIBARRA 2015/08/04 APPR:SMILLER 2015/08/07	DESCRIPTION	QUALITY SYMBOLS F_A=0 F_C=0 F_P=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 3:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION				
				mm	INCH	DRAWN BY TGREGORI	DATE 2005/05/17	TITLE SEARAY RECEPTACLE ASSEMBLY 1.27/.050 CENTERS molex					
			4 PLACES	± ---	± ---	CHECKED BY JCOMERCI	DATE 2005/05/17						
			3 PLACES	± ---	± .010	APPROVED BY JCOMERCI	DATE 2010/03/05						
			2 PLACES	± 0.25	± .015	MATERIAL NO. SEE TABLES SHT 4			DOCUMENT NO. SD-45971-001			SHEET NO. 2 OF 4	
			1 PLACE	± 0.38	± ---								
	0 PLACE	±	±										
			ANGULAR ± ---°										
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										
	REV				SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

10 9 8 7 6 5 4 3 2 1

6 ROW
10 POSITION



6 ROW
10 POSITION
SHOWN



SEE SHEET 1 EC NO: UCP2015-5493 DRAWN: SVANG01 2015/06/25 CHKD: TIBARRA 2015/08/04 APPR: SMILLER 2015/08/07 X	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION	TITLE														
				MM/IN		3:1		INCH																	
				mm		DATE		INCH																	
				INCH		DATE		INCH																	
				DATE		INCH		INCH																	
4 PLACES ± --- ± ---		DRAWN BY		TGREGORI		2005/05/17		3 PLACES ± --- ± .010		CHECKED BY		JCOMERC I		2005/05/17											
3 PLACES ± --- ± .010		2 PLACES ± 0.25 ± .015		APPROVED BY		DATE		JCOMERC I		2010/03/05		1 PLACE ± 0.38 ± ---		0 PLACE ± ±		MATERIAL NO.		DOCUMENT NO.		SD-45971-001		SHEET NO.		3 OF 4	
2 PLACES ± 0.25 ± .015		1 PLACE ± 0.38 ± ---		0 PLACE ± ±		ANGULAR ± --- °		DRAFT WHERE APPLICABLE		MUST REMAIN		WITHIN DIMENSIONS		SEE TABLES SHT 4		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX		INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

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ROWS: 6 DIMENSION C = 9.60/.378 DIMENSION D = 5.69/.224						
DIM R: (REF)		5.0 MM	6.0 MM	6.5 MM	7.5 MM	8.0 MM
DIM H:		5.05/.199	6.04/.238	6.66/.258	7.54/.297	8.05/.317
POSITION	DIM M	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO
10	19.35/0.762	45971-1165	45971-1265	45971-1365	45971-1465	45971-1565
20	32.05/1.262	45971-2165	45971-2265	45971-2365	45971-2465	45971-2565
30	44.75/1.762	45971-3165	45971-3265	45971-3365	45971-3465	45971-3565
40	57.45/2.262	45971-4165	45971-4265	45971-4365	45971-4465	45971-4565
50	70.15/2.762	45971-5165	45971-5265	45971-5365	45971-5465	45971-5565
15	25.70/1.012	45971-6165	45971-6265	45971-6365	45971-6465	45971-6565
25	38.40/1.512	45971-7165	45971-7265	45971-7365	45971-7465	45971-7565
35	51.10/2.012	45971-8165	45971-8265	45971-8365	45971-8465	45971-8565
45	63.80/2.512	45971-9165	45971-9265	45971-9365	45971-9465	45971-9565

ROWS: 10 DIMENSION C = 14.68/.578 DIMENSION D = 6.24/.246						
DIM R: (REF)		5.0 MM	6.0 MM	6.5 MM	7.5 MM	8.0 MM
DIM H:		5.05/.199	6.04/.238	6.66/.258	7.54/.297	8.05/.317
POSITION	DIM M	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO
10	19.88/0.784	45971-1115	45971-1215	45971-1315	45971-1415	45971-1515
20	32.58/1.284	45971-2115	45971-2215	45971-2315	45971-2415	45971-2515
30	45.28/1.784	45971-3115	45971-3215	45971-3315	45971-3415	45971-3515
40	57.98/2.284	45971-4115	45971-4215	45971-4315	45971-4415	45971-4515
50	70.68/2.784	45971-5115	45971-5215	45971-5315	45971-5415	45971-5515
15	26.23/1.034	45971-6115	45971-6215	45971-6315	45971-6415	45971-6515
25	38.93/1.534	45971-7115	45971-7215	45971-7315	45971-7415	45971-7515
35	51.63/2.034	45971-8115	45971-8215	45971-8315	45971-8415	45971-8515
45	64.33/2.534	45971-9115	45971-9215	45971-9315	45971-9415	45971-9515

PCB

RECEPTACLE ASSEMBLY: 45971 SERIES

PLUG ASSEMBLY: 45970 SERIES

PCB

MATED STACK HEIGHT

DIM R RECEPTACLE MATING STACK HEIGHT

DIM P PLUG MATING STACK HEIGHT

STACK HEIGHTS
GIVEN IN MILLIMETERS (MM) FOR REFERENCE ONLY

ROWS: 8 DIMENSION C = 12.14/.478 DIMENSION D = 3.70/.146						
DIM R: (REF)		5.0 MM	6.0 MM	6.5 MM	7.5 MM	8.0 MM
DIM H:		5.05/.199	6.04/.238	6.66/.258	7.54/.297	8.05/.317
POSITION	DIM M	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO
10	19.88/0.784	45971-1185	45971-1285	45971-1385	45971-1485	45971-1585
20	32.58/1.284	45971-2185	45971-2285	45971-2385	45971-2485	45971-2585
30	45.28/1.784	45971-3185	45971-3285	45971-3385	45971-3485	45971-3585
40	57.98/2.284	45971-4185	45971-4285	45971-4385	45971-4485	45971-4585
50	70.68/2.784	45971-5185	45971-5285	45971-5385	45971-5485	45971-5585
15	26.23/1.034	45971-6185	45971-6285	45971-6385	45971-6485	45971-6585
25	38.93/1.534	45971-7185	45971-7285	45971-7385	45971-7485	45971-7585
35	51.63/2.034	45971-8185	45971-8285	45971-8385	45971-8485	45971-8585
45	64.33/2.534	45971-9185	45971-9285	45971-9385	45971-9485	45971-9585

MATED STACK HEIGHT

DIM R RECEPTACLE STACK HEIGHT

DIM P PLUG STACK HEIGHT

MATED STACK HEIGHTS GIVEN IN MILLIMETERS (MM) FOR REFERENCE ONLY							
		MM	5.0	6.0	6.5	7.5	8.0
DIM P	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	

GENERAL TOLERANCES (UNLESS SPECIFIED)

DIMENSION STYLE MM/IN

SCALE 1:1

DESIGN UNITS INCH

THIRD ANGLE PROJECTION

SEARAY RECEPTACLE ASSEMBLY 1.27/.050 CENTERS

molex

SD-45971-001

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

SEE SHEET 1

EC NO: UCP2015-5493

DRWN:SVANG01 2015/06/25

CHKD:TIBARRA 2015/08/04

APPR:SMILLER 2015/08/07

QUALITY SYMBOLS

GENERAL TOLERANCES (UNLESS SPECIFIED)

DIMENSION STYLE MM/IN

SCALE 1:1

DESIGN UNITS INCH

THIRD ANGLE PROJECTION

SEARAY RECEPTACLE ASSEMBLY 1.27/.050 CENTERS

molex

SD-45971-001

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

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