

Excellent Integrated System Limited

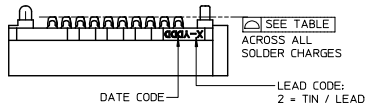
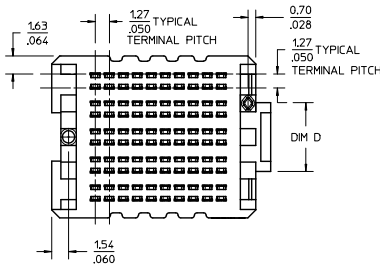
Stocking Distributor

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[0459714413](#)

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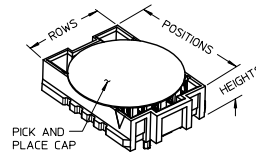
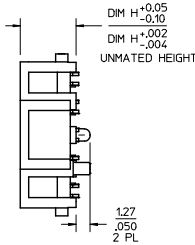
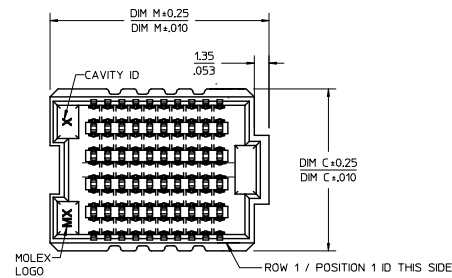
10 9 8 7 6 5 4 3 2 1



10 ROW
10 POSITION
SHOWN

NOTES:

- MATERIALS: HOUSING: LCP, GLASS FILLED, UL94V-0, BLACK
CONTACTS: COPPER ALLOY
SOLDER CHARGE: 63% TIN, 37% LEAD
- FINISH: SELECT GOLD IN CONTACT AREA: 30 MICROINCH MINIMUM
SELECT TIN IN TAIL, 50 MICROINCH MINIMUM
NICKEL UNDERPLATE OVERALL
- PRODUCT SPECIFICATION: PS-45970-001
- PACKAGING SPECIFICATION: TRAY PACK PK-45971-001
- MATES WITH SEARAY PLUG ASSEMBLY 45970
- APPLICATION SPECIFICATION: AS-45970-001
- COSMETIC SPECIFICATION: PS-45499-002 CLASS B
- PART STATUS: CONTACT MOLEX



POSITION	HEIGHT
10	0.15/.006
20	0.15/.006
30	0.15/.006
40	0.15/.006
50	0.15/.006
15	0.15/.006
25	0.15/.006
35	0.23/.009
45	0.23/.009

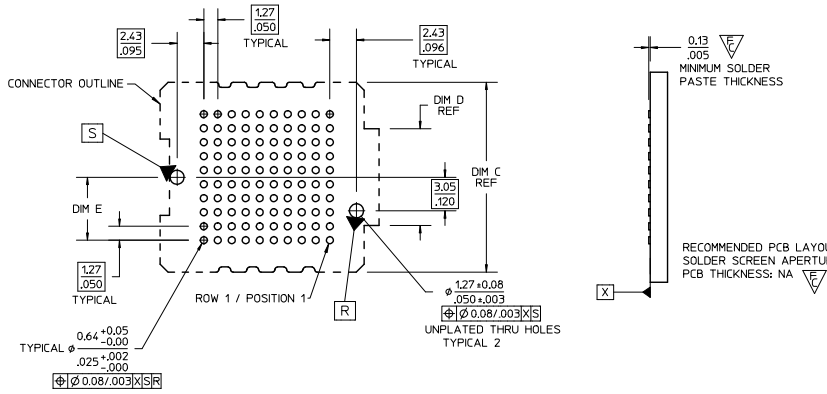
ROWS: 10			
DIM R: (REF)	6.5 MM.	7.5 MM.	
DIM H:	6.55/.258	7.54/.297	
POSITION	DIM M	MATERIAL NO	MATERIAL NO
20	32.56/1.282	45971-2313	
40	57.96/2.282		45971-4413

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

QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	mm	INCH	MM/IN	DATE	3:1	INCH	
$\nabla=0$	4 PLACES ± ---	± ---	RWHIPPLE	2014/10/24	TITLE SEARAY RECEPTACLE 1.27/.050 CTNRS TIN/LEAD TRAY PACKAGING	DOCUMENT NO. RSD-45971-003	SHEET NO. 1 OF 2
$\nabla=0$	3 PLACES ± ---	± .010	CHECKED BY	DATE			
$\nabla=0$	2 PLACES ± 0.25	± .015	DMORGAN	2014/10/24			
$\nabla=0$	1 PLACE ± 0.38	± ---	APPROVED BY	DATE			
	0 PLACE ±	±	SMILLER	2015/01/05	MATERIAL NO. SEE TABLE		
	ANGULAR ± ---°		MATERIAL NO. SEE TABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE B				

9 8 7 6 5 4 3 2 1

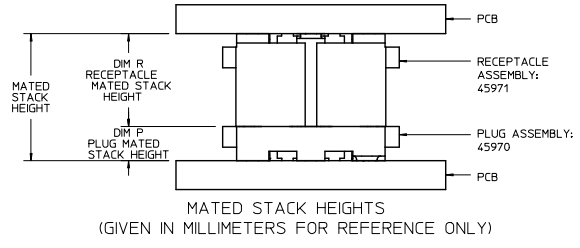
10 ROW
10 POSITION
SHOWN



NO OF ROWS	DIM C	DIM D	DIM E
8	12.14/.478	3.70/.146	4.44/.175
10	14.68/.578	6.24/.246	5.71/.225

DIM P PLUG STACK HEIGHT	DIM R RECEPTACLE STACK HEIGHT	
	MM	
2.0	6.5	7.5
3.0	8.5	9.5
3.5	9.5	10.5
4.5	11.0	12.0
5.0	11.5	12.5
7.0	13.5	14.5

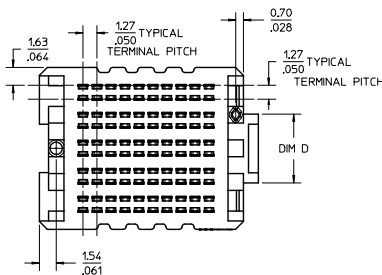
MATED STACK HEIGHTS
GIVEN IN MILLIMETERS (MM) FOR REFERENCE ONLY



MATED STACK HEIGHTS
(GIVEN IN MILLIMETERS FOR REFERENCE ONLY)

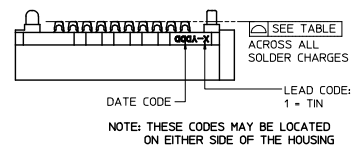
QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	mm	INCH	MM/IN	DATE			
$\sqrt{\text{R}}=0$	4 PLACES	\pm ---	\pm ---	RWHIPPLE	3:1	INCH	SEARAY RECEPTACLE 1.27/.050 CTNRS TIN/LEAD TRAY PACKAGING molex
$\sqrt{\text{R}}=2$	3 PLACES	\pm ---	\pm .010	CHECKED BY	DATE	TITLE	
$\sqrt{\text{R}}=0$	2 PLACES	\pm 0.25	\pm .015	DMORGAN	2014/10/24		
	1 PLACE	\pm 0.38	\pm ---	APPROVED BY	DATE		
	0 PLACE	\pm	\pm	SMILLER	2015/01/05		
	ANGULAR \pm ---			MATERIAL NO.	DOCUMENT NO.		SHEET NO.
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE SHEET 1	RSD-45971-003		2 OF 2
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

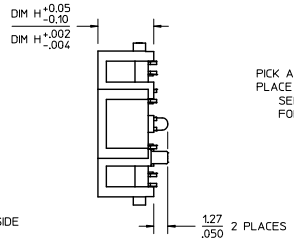
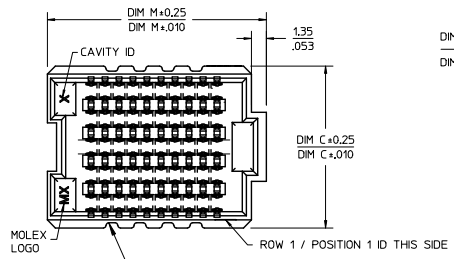
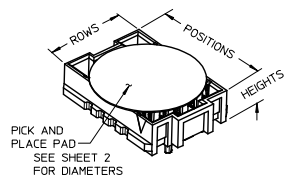


10 ROW
10 POSITION
SHOWN

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



SEE SHEET 3 FOR
6 ROW GEOMETRY

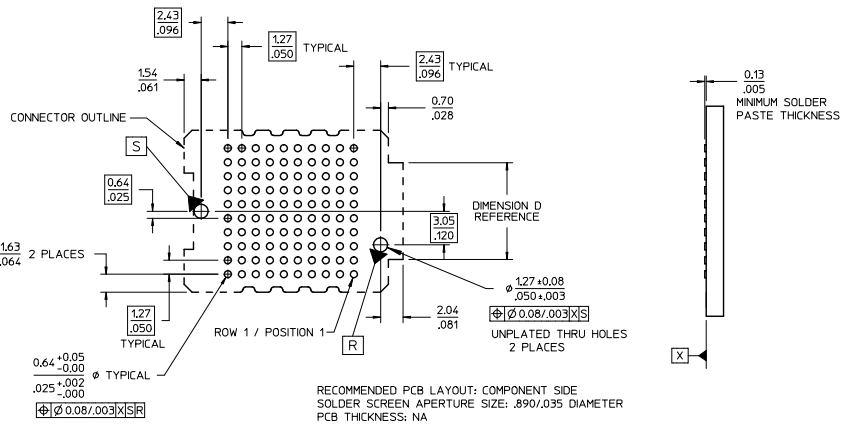
EDGE NOTCHES- SEE TABLE
(THE NUMBER OF NOTCHES INCREASES AS
THE NUMBER OF POSITIONS INCREASES)

CLARIFY OVERALL LENGTH EC NO: UCP2015-5/93 2015/06/25 DRW:SWANG01 CHKD:TBARRA 2015/08/04 APPR:SKILLER 2015/08/07	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE 3:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
		mm	INCH	MM/IN	DATE			
DRAWN BY TGREGOR I 2005/05/17 CHECKED BY JCOMERC I 2005/05/17 APPROVED BY JCOMERC I 2010/03/05	4 PLACES	± .005	± .002	MM/IN	DATE	TITLE SEARAY RECEPTACLE ASSEMBLY 1.27/.050 CENTERS molex DOCUMENT NO. SD-45971-001 SHEET NO. 1 OF 4		
	3 PLACES	± .010	± .005	DATE				
	2 PLACES	± .025	± .015	DATE				
	1 PLACE	± .038	± .025	DATE				
0 PLACE	± .050	± .030						
ANGULAR ±---° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE TABLES SHT 4		SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

9 8 7 6 5 4 3 2 1

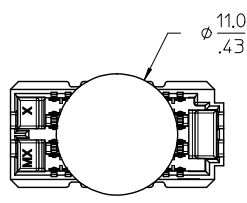
10 9 8 7 6 5 4 3 2 1

10 ROW
10 POSITION
SHOWN

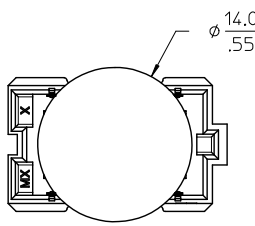


NUMBER OF ROWS	DIMENSION D
6	SEE SHEET 3
8	3.70/.146
10	6.24/.246

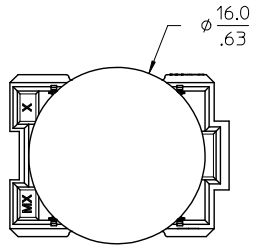
RECOMMENDED PCB LAYOUT: COMPONENT SIDE
SOLDER SCREEN APERTURE SIZE: .890/.035 DIAMETER
PCB THICKNESS: NA



6 ROW OPTION



8 ROW OPTION



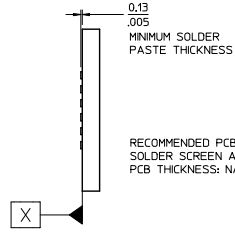
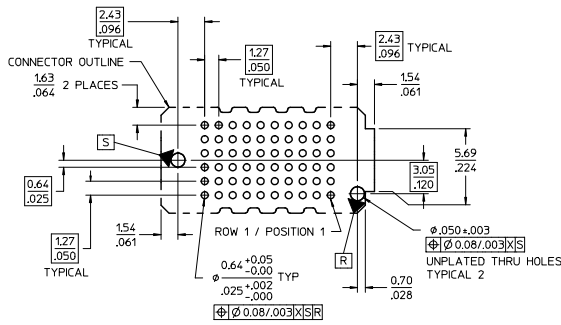
10 ROW OPTION

PICK AND PLACE
PAD DIAMETERS
10 POSITION VERSIONS SHOWN

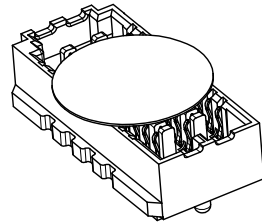
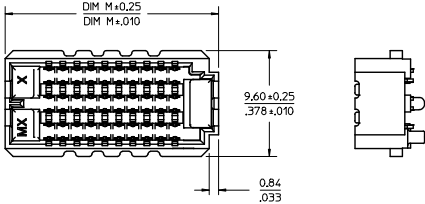
REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN	DRAWN BY DATE	CHECKED BY DATE	APPROVED BY DATE	SCALE 3:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
			mm	INCH							
X	SEE SHEET 1 EC NO: IUCP2015-5/93 DRAWN: VANG01 2015/06/25 CHKD: TIBARRA 2015/08/04 APPR: SMILLER 2015/08/07	$\nabla=0$ $\nabla=0$ $\nabla=0$	4 PLACES ± --- ± ---	3 PLACES ± --- ± .010	3 PLACES ± 0.25 ± .015	1 PLACE ± 0.38 ± ---	0 PLACE ± ±	ANGULAR ± ---° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE TABLES SHT 4	DOCUMENT NO. SD-45971-001	SHEET NO. 2 OF 4
<p>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</p>											

9 8 7 6 5 4 3 2 1

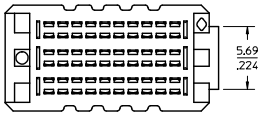
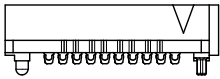
6 ROW
10 POSITION



RECOMMENDED PCB LAYOUT: COMPONENT SIDE
SOLDER SCREEN APERTURE SIZE: .089/.035 DIAMETER
PCB THICKNESS: NA



6 ROW
10 POSITION
SHOWN

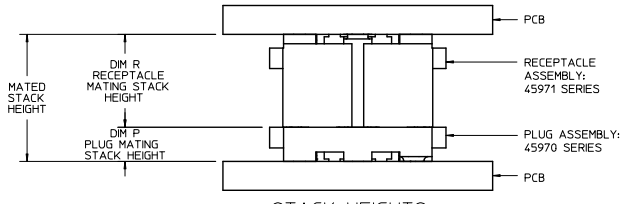


SEE SHEET 1 EC NO: UCP2015-5493 DRWNSVANG01 2015/04/25 CHKDT IBARRA 2015/08/04 APPRSMILLER 2015/08/07	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 3:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
		4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .015 1 PLACE ± 0.38 ± --- 0 PLACE ± ±	mm INCH	DRAWN BY TGREGOR I	DATE 2005/05/17	TITLE SEARAY RECEPTACLE ASSEMBLY 1.27/.050 CENTERS		DOCUMENT NO. SD-45971-001
ANGLUAR ± --- ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE TABLES SHT 4		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

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
10	19.35/0.762	45971-1165	45971-1265	45971-1365	45971-1465
20	32.05/1.262	45971-2165	45971-2265	45971-2365	45971-2465
30	44.75/1.762	45971-3165	45971-3265	45971-3365	45971-3465
40	57.45/2.262	45971-4165	45971-4265	45971-4365	45971-4465
50	70.15/2.762	45971-5165	45971-5265	45971-5365	45971-5465
15	25.70/1.012	45971-6165	45971-6265	45971-6365	45971-6465
25	38.40/1.512	45971-7165	45971-7265	45971-7365	45971-7465
35	51.10/2.012	45971-8165	45971-8265	45971-8365	45971-8465
45	63.80/2.512	45971-9165	45971-9265	45971-9365	45971-9465

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
10	19.88/0.784	45971-1115	45971-1215	45971-1315	45971-1415
20	32.58/1.284	45971-2115	45971-2215	45971-2315	45971-2415
30	45.28/1.784	45971-3115	45971-3215	45971-3315	45971-3415
40	57.98/2.284	45971-4115	45971-4215	45971-4315	45971-4415
50	70.68/2.784	45971-5115	45971-5215	45971-5315	45971-5415
15	26.23/1.034	45971-6115	45971-6215	45971-6315	45971-6415
25	38.93/1.534	45971-7115	45971-7215	45971-7315	45971-7415
35	51.63/2.034	45971-8115	45971-8215	45971-8315	45971-8415
45	64.33/2.534	45971-9115	45971-9215	45971-9315	45971-9415



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
10	19.88/0.784	45971-1185	45971-1285	45971-1385	45971-1485
20	32.58/1.284	45971-2185	45971-2285	45971-2385	45971-2485
30	45.28/1.784	45971-3185	45971-3285	45971-3385	45971-3485
40	57.98/2.284	45971-4185	45971-4285	45971-4385	45971-4485
50	70.68/2.784	45971-5185	45971-5285	45971-5385	45971-5485
15	26.23/1.034	45971-6185	45971-6285	45971-6385	45971-6485
25	38.93/1.534	45971-7185	45971-7285	45971-7385	45971-7485
35	51.63/2.034	45971-8185	45971-8285	45971-8385	45971-8485
45	64.33/2.534	45971-9185	45971-9285	45971-9385	45971-9485

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

DIM P PLUG STACK HEIGHT	DIM R RECEPTACLE STACK HEIGHT				
	MM	5.0	6.0	6.5	7.5
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

SEE SHEET 1 EC NO: LCP2015-5493 DRWNSVANG01 2015/06/25 CHKCT IBARRA 2015/08/04 APPRSWILLER 2015/08/07	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .015 1 PLACE ± 0.38 ± --- 0 PLACE ± ±	DIMENSION STYLE MM/IN	SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	DRAWN BY TREGOR I	DATE 2005/05/17	TITLE SEARAY RECEPTACLE ASSEMBLY 1.27/050 CENTERS molex
							CHECKED BY JCOMERC I	DATE 2005/05/17	
							APPROVED BY JCOMERC I	DATE 2010/03/05	
							MATERIAL NO. SEE TABLES	DOCUMENT NO. SD-45971-001	
ANGLAR ± --- ± --- DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							SHEET NO. 4 OF 4		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

9 8 7 6 5 4 3 2 1