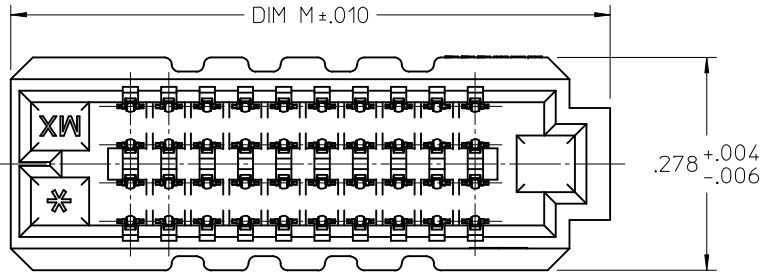


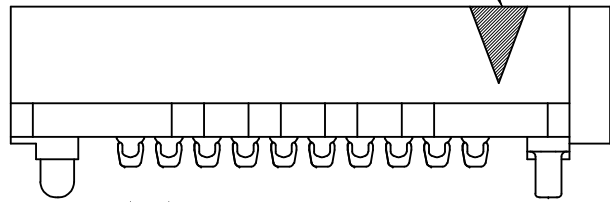
$\frac{\text{D}}{\text{M}}$  .006 ACROSS ALL SOLDER CHARGES

LEAD CODE  
1 = TIN  
2 = TIN/LEAD

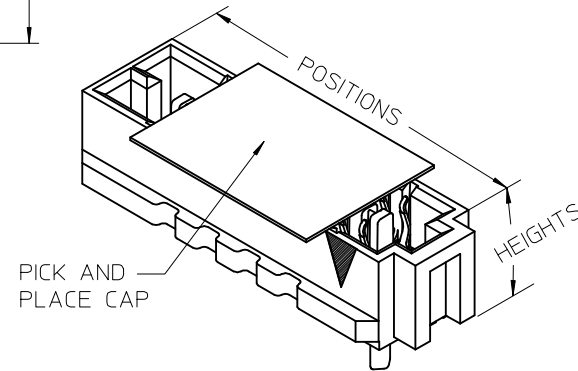
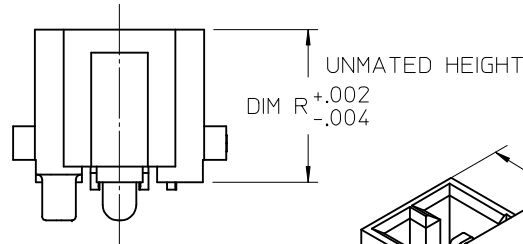
DATE CODE



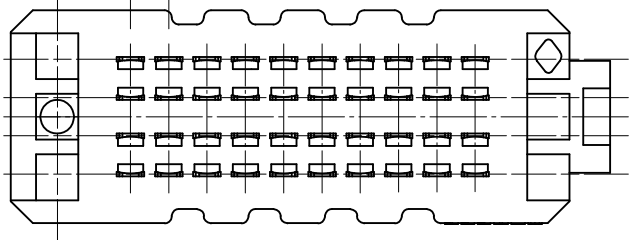
ROW 1 / CKT 1 ID



.050 TYP  
TERMINAL PITCH



POSITION	DIM M	$\frac{\text{D}}{\text{M}}$
10	.782	.006
15	1.032	.006
20	1.282	.006
25	1.532	.006
30	1.782	.006
35	2.032	.006
40	2.282	.006
45	2.532	.009
50	2.782	.009



.050 TYP  
TERMINAL PITCH

PICK AND PLACE CAP

REVISED	DESCRIPTION
EC NO: UCP2010-0532	
DRWN: TGREGORI	2009/08/26
CHKD: JCOMERCI	2009/08/26
APPR: JCOMERCI	2009/08/26
G2	REV

GENERAL TOLERANCES (UNLESS SPECIFIED)	
	$\frac{\text{D}}{\text{M}}$
4 PLACES	± ---
3 PLACES	± ---
2 PLACES	± ---
1 PLACE	± ---
ANGULAR ± ---°	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

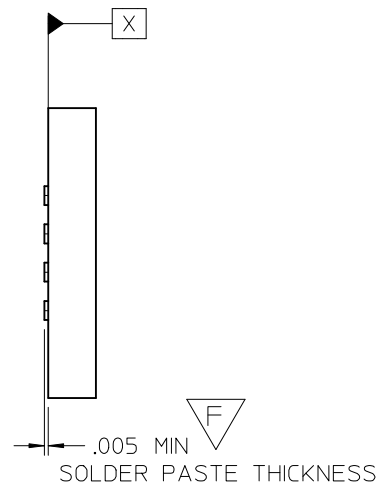
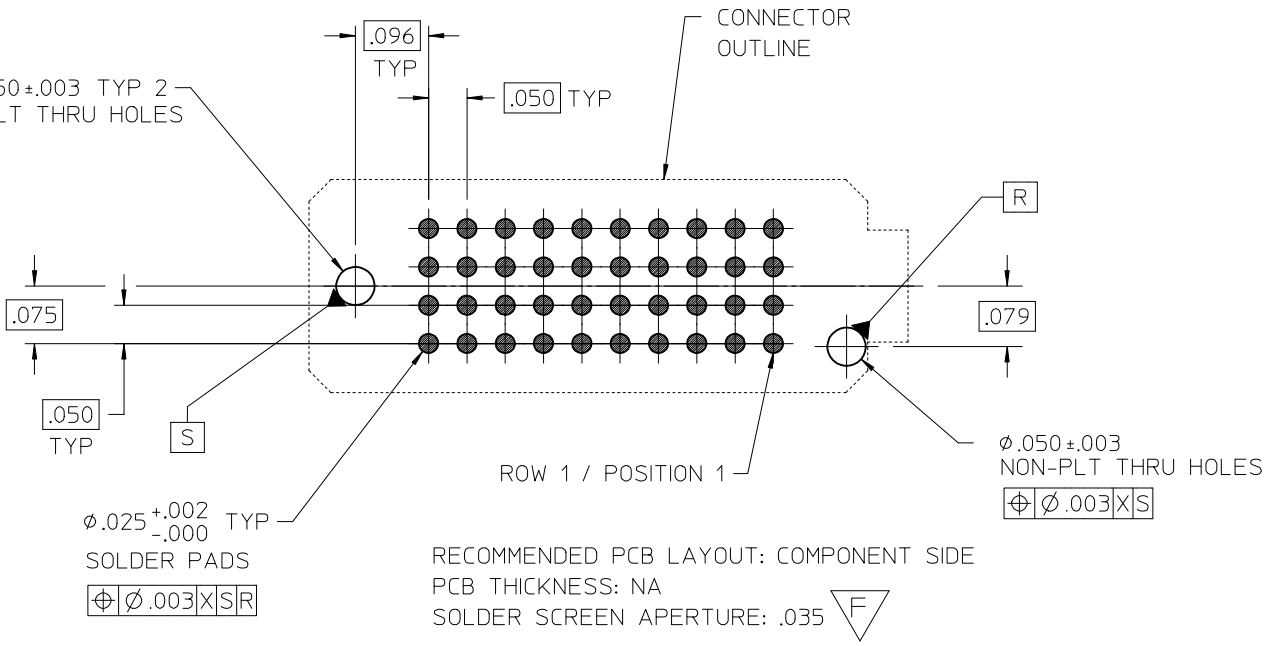
DIMENSION STYLE INCH ONLY	
DRAWN BY	DATE
TGREGORI	2007/05/21
CHECKED BY	DATE
JCOMERCI	2007/05/21
APPROVED BY	DATE
JCOMERCI	2009/08/26
MATERIAL NO. SEE CHART	
SIZE	A

SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
TITLE SEARAY SLIM RECEPTACLE ASSEMBLY .050 PITCH		
MOLEX INCORPORATED		
DOCUMENT NO. SD-46557-001		SHEET NO. 1 OF 4

NOTES:

- MATERIALS: HOUSING- LCP, UL94V-0, BLACK  
CONTACTS- COPPER ALLOY  
SOLDER CHARGE: SEE CHART
- FINISH: SELECT GOLD IN CONTACT: 30 MI MIN  
SELECT TIN IN TAIL: 100 MI MIN  
BOTH OVER NICKEL
- PRODUCT SPECIFICATION: PS-45970-001
- PACKAGING SPECIFICATION: PK-45970-002
- MATES WITH SEARAY SLIM RECPT ASSY 46556
- APPLICATION SPECIFICATION: AS-45970-001
- COSMETIC SPECIFICATION: PS-45499-002 CLASS B
- PART STATUS: CONTACT MOLEX

φ.050±.003 TYP 2  
NON-PLT THRU HOLES

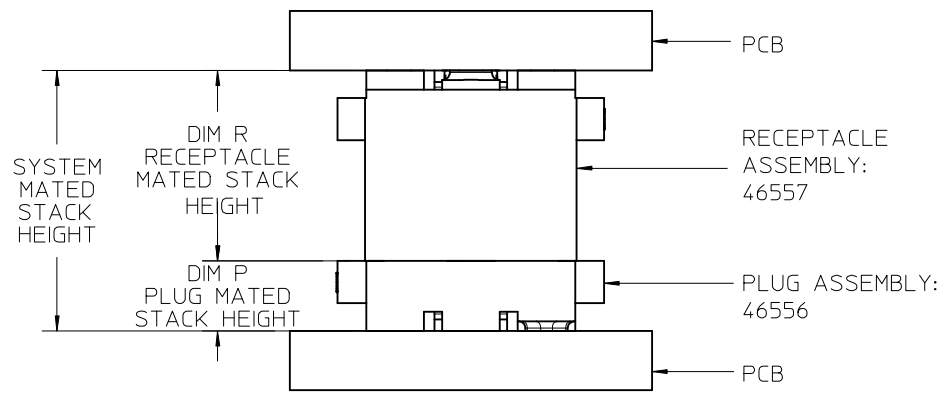


φ.025+.002  
-.000 TYP  
SOLDER PADS  
φ.003XS SR

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

		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	

STACK HEIGHTS GIVEN IN MM FOR REF ONLY



SEE SHEET 1  
EC NO: UCP2010-0532  
DRWN: TGREGOR I 2009/08/26  
CHKD: 2009/08/26  
APPR: JCOMERC I 2009/08/26  
G2  
REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .005
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---

ANGULAR ± ---°

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

DIMENSION STYLE  
**INCH ONLY**

DRAWN BY: TGREGOR I  
DATE: 2007/05/21

CHECKED BY: JCOMERC I  
DATE: 2007/05/21

APPROVED BY: JCOMERC I  
DATE: 2009/08/26

MATERIAL NO.  
**SEE CHART**

SCALE: 4:1  
DESIGN UNITS: INCH  
THIRD ANGLE PROJECTION

TITLE: SEARAY SLIM RECEPTACLE ASSEMBLY .050 PITCH

**molex** MOLEX INCORPORATED

DOCUMENT NO.: SD-46557-001  
SHEET NO.: 2 OF 4

	6	5	4	3	2	1
DIM R: (REF)	5.0 MM	6.0 MM	6.5 MM	7.5 MM	8.0 MM	STACK HEIGHTS GIVEN IN MM FOR REF ONLY
DIM R: HOUSING HEIGHT	.199	.238	.258	.297	.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	

NOTES:

- THIS SHEET CONTAINS THE FOLLOWING OPTIONS  
SOLDER CHARGE: TIN

SEE SHEET 1 EC NO: UCP2010-0532 DRWN: TGREGORI 2009/08/26 CHKD: 2009/08/26 APPR: JCOMERCI 2009/08/26 REV	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE <b>INCH ONLY</b>		SCALE <b>1:1</b>	DESIGN UNITS <b>INCH</b>	THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY TGREGORI	DATE 2007/05/21	TITLE <b>SEARAY SLIM RECEPTACLE ASSEMBLY .050 PITCH</b>			
		4 PLACES	± .005	± .005	CHECKED BY JCOMERCI	DATE 2007/05/21				
		3 PLACES	± .005	± .005	APPROVED BY JCOMERCI	DATE 2009/08/26				
		2 PLACES	± .005	± .005	ANGULAR ± .005°		<b>MOLEX INCORPORATED</b>		DOCUMENT NO. <b>SD-46557-001</b>	
1 PLACE	± .005	± .005	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. <b>SEE CHART</b>		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

	6	5	4	3	2	1
DIM R: (REF)	5.0 MM	6.0 MM	6.5 MM	7.5 MM	8.0 MM	STACK HEIGHTS GIVEN IN MM FOR REF ONLY
DIM R: HOUSING HEIGHT	.199	.238	.258	.297	.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	

NOTES:

- THIS SHEET CONTAINS THE FOLLOWING OPTIONS  
SOLDER CHARGE: TIN / LEAD

SEE SHEET 1 EC NO: UCP2010-0532 DRWN: TGREGOR I 2009/08/26 CHKD: 2009/08/26 APPR: JCOMERC I 2009/08/26 REV DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE <b>INCH ONLY</b>		SCALE <b>1:1</b>	DESIGN UNITS <b>INCH</b>	THIRD ANGLE PROJECTION	
		mm	INCH	DRAWN BY TGREGOR I	DATE 2007/05/21	TITLE <b>SEARAY SLIM RECEPTACLE ASSEMBLY .050 PITCH</b>		
	4 PLACES	± .005	± .005	CHECKED BY JCOMERC I	DATE 2007/05/21			
	3 PLACES	± .005	± .005	APPROVED BY JCOMERC I	DATE 2009/08/26			
	2 PLACES	± .005	± .005	MATERIAL NO. <b>SEE CHART</b>		<b>MOLEX INCORPORATED</b>		SHEET NO. 4 OF 4
1 PLACE	± .005	± .005	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DOCUMENT NO. <b>SD-46557-001</b>			