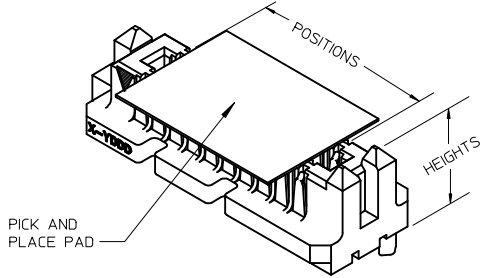


10 POSITION VERSION SHOWN IN THESE VIEWS

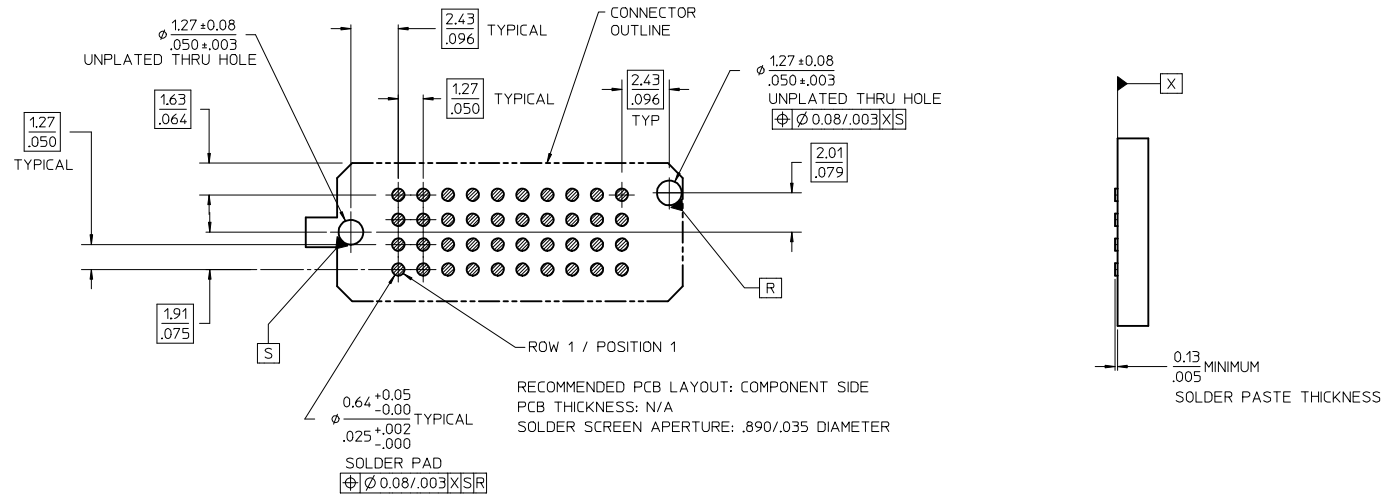


- NOTES:
- MATERIALS: HOUSING: LCP, GLASS FILLED, UL94V-0, BLACK  
CONTACTS: COPPER ALLOY  
SOLDER CHARGE: 63% TIN, 37% LEAD
  - FINISHES:  
CONTACT AREA: 30 MICROINCH MINIMUM GOLD  
TAIL AREA:  
- \*1\*\* ASSEMBLIES: 7 MICROINCH MINIMUM GOLD  
ALL OTHER ASSEMBLIES: 50 MICROINCH MINIMUM TIN  
ENTIRE TERMINAL: NICKEL UNDERPLATE
  - PRODUCT SPECIFICATION: PS-45970-001
  - PACKAGING SPECIFICATION: PK-45970-002
  - MATES WITH SEARAY RECPT ASSEMBLY 46557
  - APPLICATION SPECIFICATION: AS-45970-001
  - COSMETIC SPECIFICATION: PS-45499-002 CLASS B
  - PART STATUS: CONTACT MOLEX

POSITIONS	DIM G		TOTAL NUMBER OF EDGE NOTCHES
10	17.68/1.696	0.15/1.006	4
15	24.02/1.946	0.15/1.006	6
20	30.37/1.196	0.15/1.006	10
25	36.72/1.446	0.15/1.006	12
30	43.07/1.696	0.15/1.006	14
35	49.42/1.946	0.15/1.006	16
40	55.77/2.196	0.15/1.006	20
45	62.12/2.446	0.23/1.009	22
50	68.47/2.696	0.23/1.009	24

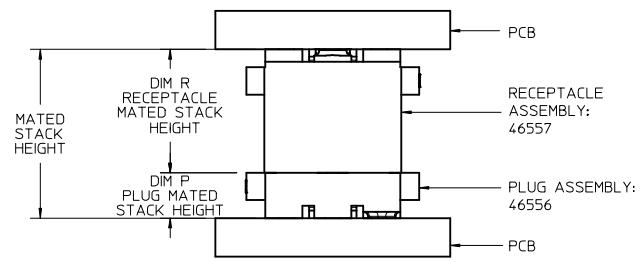
INITIAL RELEASE EC NO: UCP2015-1206 DRAWN BY: RWHIPPLE 2014/10/22 CHKD: DMORGAN 2014/10/22 APPR: SMILLER 2015/01/05	DESCRIPTION QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION SEARAY SLIM 4 (ROW) PLUG ASSEMBLY 1.27/.050 PITCH TIN/LEAD <b>molex</b> RSD-46556-001	SHEET NO. 1 OF 3
				MM/IN		4:1	INCH		
				DRAWN BY DATE		CHECKED BY DATE			
				APPROVED BY DATE		MATERIAL NO.			
		ANGULAR ±1/2°		SEE TABLE SHT 3		DOCUMENT NO.			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		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



		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	10.0
	3.0	8.0	9.0	9.5	10.5	11.0	11.0
	3.5	8.5	9.5	10.0	11.0	11.5	11.5
	2.5	7.5	8.5	9.0	10.0	10.5	10.5
	4.5	9.5	10.5	11.0	12.0	12.5	12.5
	5.0	10.0	11.0	11.5	12.5	13.0	13.0
	7.0	12.0	13.0	13.5	14.5	15.0	15.0

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



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	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	DRW:RWHIPPLE 2014/10/22	▽=0	mm	INCH	MM/IN	4:1	INCH		
	CHK:DMORGAN 2014/10/22	▽=0	4 PLACES ± ---	± ---	DRAWN BY DATE			TITLE SEARAY SLIM 4 (ROW) PLUG ASSEMBLY 1.27/.050 PITCH TIN/LEAD	
	APPR:SMILLER 2015/01/05	▽=0	3 PLACES ± ---	± .010	CHECKED BY DATE				
			2 PLACES ± 0.25	± .015	DMORGAN 2014/10/22			DOCUMENT NO. RSD-46556-001	
			1 PLACE ± 0.38	± ---	APPROVED BY DATE				
			0 PLACE ±	±	SMILLER 2015/01/05			SHEET NO. 2 OF 3	
			ANGULAR ± 1/2°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE SHT 3		RSD-46556-001		2 OF 3
					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

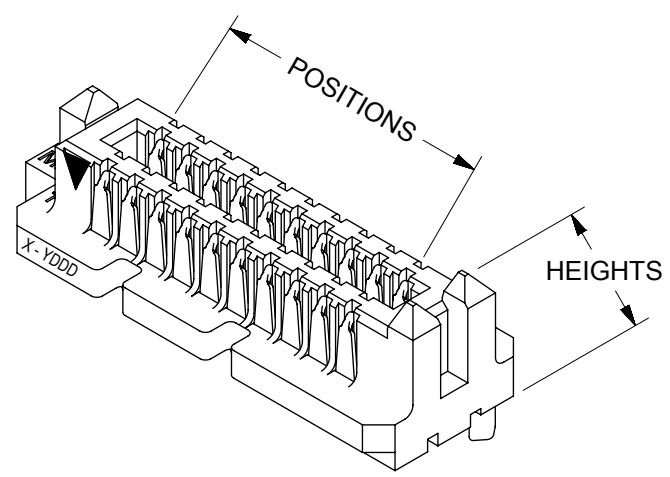
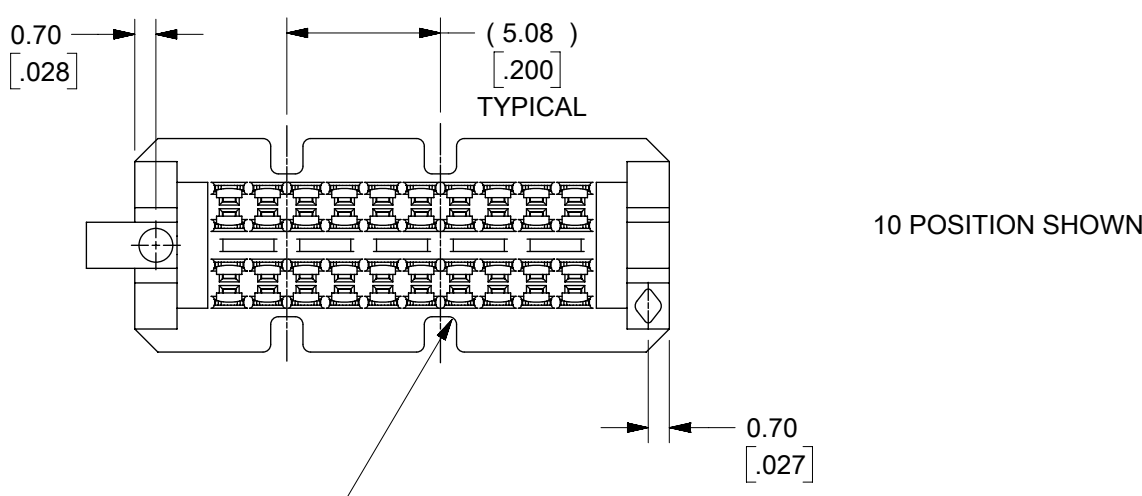
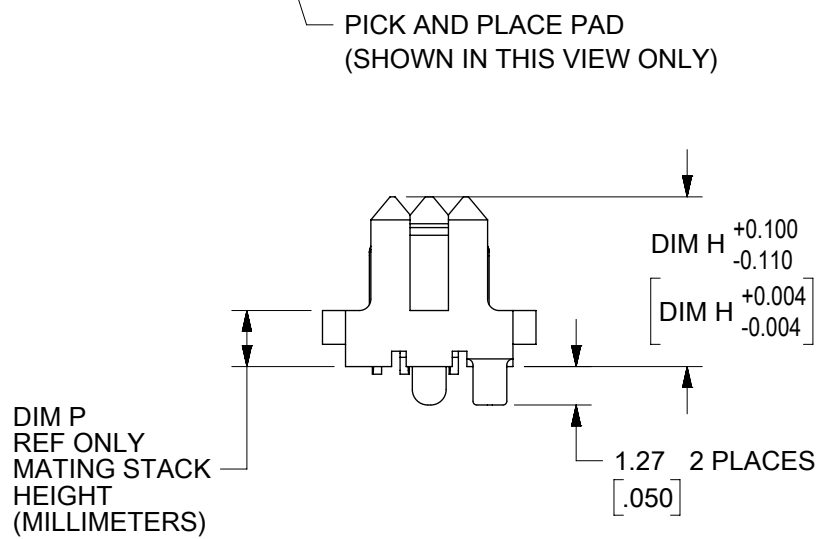
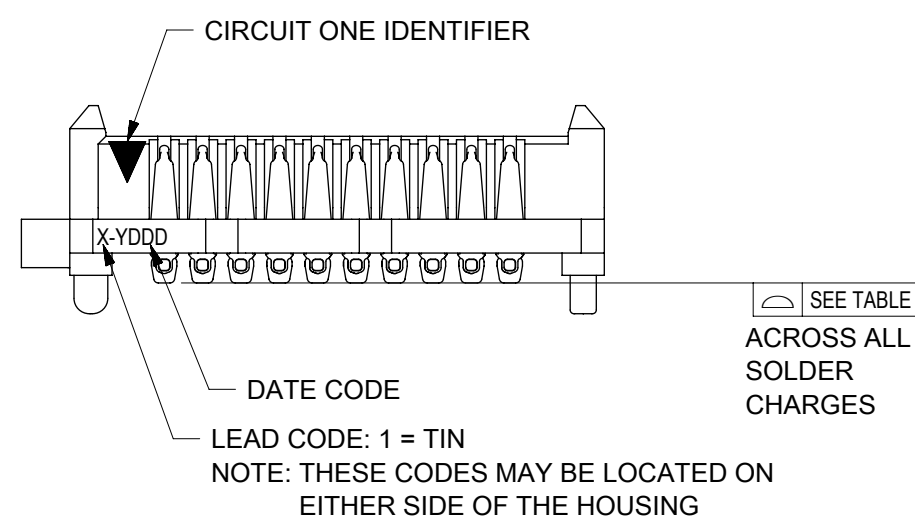
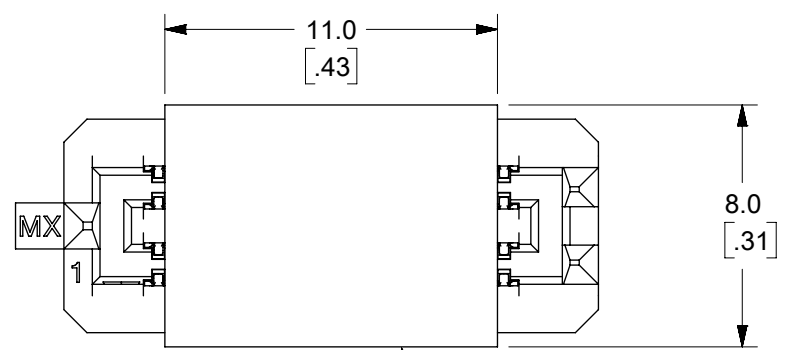
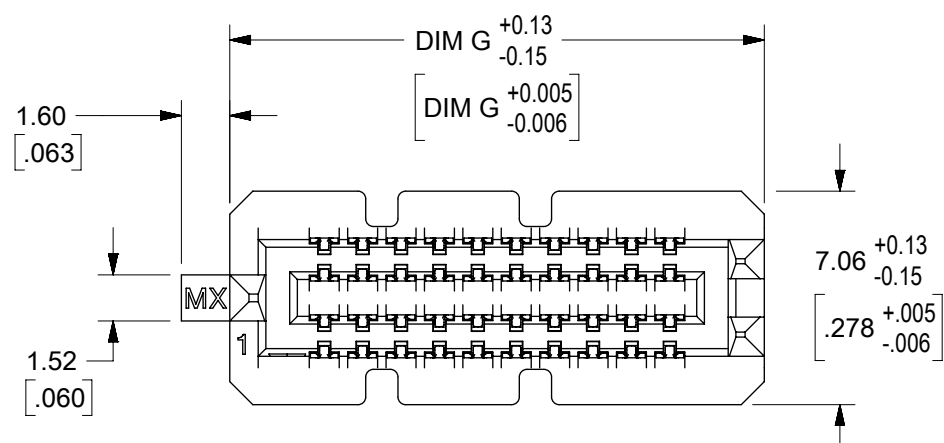
10 9 8 7 6 5 4 3 2 1

DIM P:	2.0 MM	3.0 MM	3.5 MM	2.5 MM	4.5 MM	5.0 MM	7.0 MM
DIM H:	5.61/.221	6.60/.260	7.11/.280	6.12/.241	8.10/.319	8.16/.339	10.61/.418
POSITIONS	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO
10	46556-1147	46556-1247	46556-1347	46556-1447	46556-1547	46556-1647	46556-1747
20	46556-2147	46556-2247	46556-2347	46556-2447	46556-2547	46556-2647	46556-2747
30	46556-3147	46556-3247	46556-3347	46556-3447	46556-3547	46556-3647	46556-3747
40	46556-4147	46556-4247	46556-4347	46556-4447	46556-4547	46556-4647	46556-4747
50	46556-5147	46556-5247	46556-5347	46556-5447	46556-5547	46556-5647	46556-5747
15	46556-6147	46556-6247	46556-6347	46556-6447	46556-6547	46556-6647	46556-6747
25	46556-7147	46556-7247	46556-7347	46556-7447	46556-7547	46556-7647	46556-7747
35	46556-8147	46556-8247	46556-8347	46556-8447	46556-8547	46556-8647	46556-8747
45	46556-9147	46556-9247	46556-9347	46556-9447	46556-9547	46556-9647	46556-9747

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

SEE SHEET 1 EC NO: UCP2015-1206 DRAWN BY: RWHIPPLE 2014/10/22 CHKD: DMORGAN 2014/10/22 APPR: SMILLER 2015/01/05	DESCRIPTION REV A	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
		$\nabla F=0$ $\nabla E=0$ $\nabla D=0$	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .015 1 PLACE ± 0.38 ± --- 0 PLACE ± ±	MM/IN	1:1	INCH	SEARAY SLIM 4 (ROW) PLUG ASSEMBLY 1.27/.050 PITCH TIN/LEAD <b>molex</b>
		ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY DATE RWHIPPLE 2014/10/22 CHECKED BY DATE DMORGAN 2014/10/22 APPROVED BY DATE SMILLER 2015/01/05	TITLE			
			MATERIAL NO. SEE TABLE	DOCUMENT NO. RSD-46556-001	SHEET NO. 3 OF 3		
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



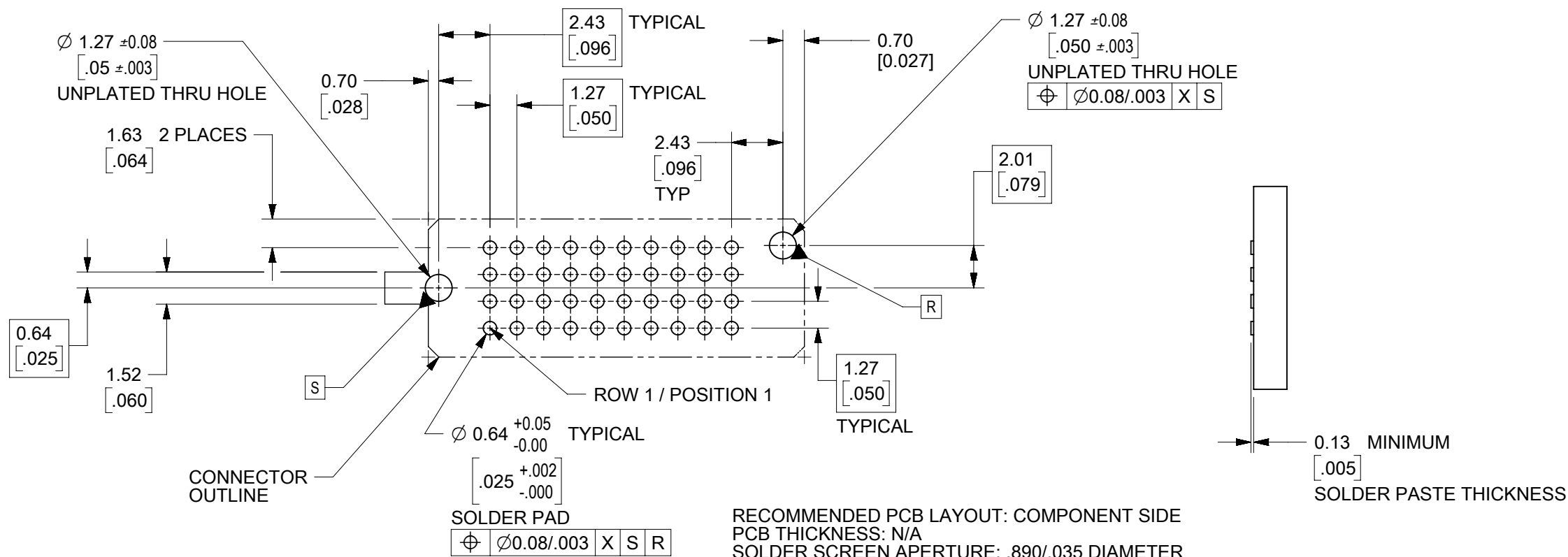
POSITIONS	DIM G		TOTAL NUMBER OF EDGE NOTCHES
10	17.69/.698	0.15/.006	4
15	24.04/.948	0.15/.006	6
20	30.39/1.198	0.15/.006	10
25	36.74/1.448	0.15/.006	12
30	43.09/1.698	0.15/.006	14
35	49.44/1.948	0.15/.006	16
40	55.79/2.198	0.15/.006	20
45	62.14/2.448	0.23/.009	22
50	68.49/2.698	0.23/.009	24

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

10 POSITION SHOWN

- NOTES:
- 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
  - FINISHES:  
CONTACT AREA: 30 MICROINCH MINIMUM GOLD  
TAIL AREA:  
-1\*\* ASSEMBLIES: 7 MICROINCH MINIMUM GOLD  
ALL OTHER ASSEMBLIES: 50 MICROINCH MINIMUM TIN  
ENTIRE TERMINAL: NICKEL UNDERPLATE
  - PRODUCT SPECIFICATION: PS-45970-001
  - PACKAGING SPECIFICATION: PK-45970-002 (TAPE AND REEL)
  - MATES WITH SEARAY RECEPTACLE ASSEMBLY SERIES 46557
  - APPLICATION SPECIFICATION: AS-45970-001
  - COSMETIC SPECIFICATION: PS-45499-002 CLASS B
  - PART STATUS: CONTACT MOLEX

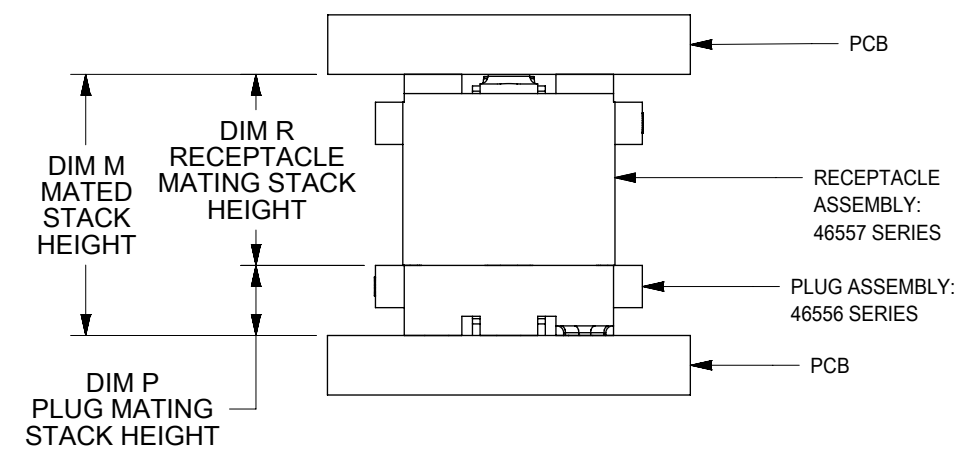
SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: UPDATE CHART		<b>molex</b>	
	= 0	DIMENSION UNITS	SCALE	GENERAL TOLERANCES (UNLESS SPECIFIED)			
	= 0	MM/IN	4:1	ANGULAR TOL ± 0.5°		PRODUCT CUSTOMER DRAWING	
	= 0	4 PLACES ±		EC NO: 605384		DOCUMENT NUMBER	
	= 0	3 PLACES ±		DRWN: JTBINGHAM 2018/10/01		DOC TYPE DOC PART REVISION	
	= 0	2 PLACES ± 0.25		CHK'D: DMCGOWAN 2018/10/03		SD-46556-001 PSD 001 N2	
	= 0	1 PLACE ± 0.38		APPR: DMCGOWAN 2018/10/03		MATERIAL NUMBER	
	= 0	0 PLACES ±		INITIAL REVISION:		CUSTOMER	
	= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: TGREGORI 2007/06/28		SEE TABLE SHT 3	
	= 0	THIRD ANGLE PROJECTION		APPR: JCOMERCI 2007/06/29		SHEET NUMBER	
	= 0	DRAWING		SERIES		GENERAL MARKET	
	= 0	B-SIZE		46556		1 OF 3	



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

		DIM R RECEPTACLE STACK HEIGHT									
		5.0		6.0		6.5		7.5		8.0	
DIM P PLUG STACK HEIGHT	mm	DIM M FULLY MATED	DIM M MAX	DIM M FULLY MATED	DIM M MAX	DIM M FULLY MATED	DIM M MAX	DIM M FULLY MATED	DIM M MAX	DIM M FULLY MATED	DIM M MAX
	2.0	7.00	7.74	8.00	8.74	8.50	9.24	9.50	10.24	10.00	10.74
	3.0	8.00	8.74	9.00	9.74	9.50	10.24	10.50	11.24	11.00	11.74
	3.5	8.50	9.24	9.50	10.24	10.00	10.74	11.00	11.74	11.50	12.24
	2.5	7.50	8.24	8.50	9.24	9.00	9.74	10.00	10.74	10.50	11.24
	4.5	9.50	10.24	10.50	11.24	11.00	11.74	12.00	12.74	12.50	13.24
	5.0	10.00	10.74	11.00	11.74	11.50	12.24	12.50	13.24	13.00	13.74
7.0	12.00	12.74	13.00	13.74	13.50	14.24	14.50	15.24	15.00	15.74	

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



STACK HEIGHTS  
 GIVEN IN MILLIMETERS (mm) FOR REFERENCE ONLY

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: UPDATE CHART		<b>molex</b>		
	DIMENSION UNITS	SCALE					
▽ = 0	MM/IN	4:1			SEARAY SLIM (4 ROW) PLUG, ASSEMBLY 1.27/.050 PITCH		
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 605384		PRODUCT CUSTOMER DRAWING		
▽ = 0	ANGULAR TOL ± 0.5°		DRWN: JBINGHAM 2018/10/01		DOCUMENT NUMBER		
▽ = 0	4 PLACES ±		CHK'D: DMCGOWAN 2018/10/03		SD-46556-001		
▽ = 0	3 PLACES ±		APPR: DMCGOWAN 2018/10/03		DOC TYPE DOC PART REVISION		
▽ = 0	2 PLACES ± 0.25		INITIAL REVISION:		PSD 001 N2		
▽ = 0	1 PLACE ± 0.38		DRWN: TGREGORI 2007/06/28		MATERIAL NUMBER		
▽ = 0	0 PLACES ±		APPR: JCOMERCI 2007/06/29		CUSTOMER		
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		SHEET NUMBER		
▽ = 0			DRAWING		SEE TABLE SHT 3		
		SERIES		GENERAL MARKET		2 OF 3	
		B-SIZE		46556			

E

E

D

D

C

C

B

B

A

A

DIM P:	2.0 mm	3.0 mm	3.5 mm	2.5 mm	4.5 mm	5.0 mm	7.0 mm
DIM H:	5.61/.221	6.60/.260	7.11/.280	6.12/.241	8.10/.319	8.61/.339	10.71/.418
POSITIONS	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO
10	46556-1145	46556-1245	46556-1345	46556-1445	46556-1545	46556-1645	46556-1745
20	46556-2145	46556-2245	46556-2345	46556-2445	46556-2545	46556-2645	46556-2745
30	46556-3145	46556-3245	46556-3345	46556-3445	46556-3545	46556-3645	46556-3745
40	46556-4145	46556-4245	46556-4345	46556-4445	46556-4545	46556-4645	46556-4745
50	46556-5145	46556-5245	46556-5345	46556-5445	46556-5545	46556-5645	46556-5745
15	46556-6145	46556-6245	46556-6345	46556-6445	46556-6545	46556-6645	46556-6745
25	46556-7145	46556-7245	46556-7345	46556-7445	46556-7545	46556-7645	46556-7745
35	46556-8145	46556-8245	46556-8345	46556-8445	46556-8545	46556-8645	46556-8745
45	46556-9145	46556-9245	46556-9345	46556-9445	46556-9545	46556-9645	46556-9745

MATING STACK HEIGHTS (DIMENSION P)  
GIVEN IN MILLIMETERS (mm) FOR REFERENCE ONLY

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
	DIMENSION UNITS		SCALE		CURRENT REV DESC: UPDATE CHART						<b>molex</b>	
	MM/IN		1:1		EC NO: 605384							
	= 0		GENERAL TOLERANCES (UNLESS SPECIFIED)								SEARAY SLIM (4 ROW) PLUG, ASSEMBLY 1.27/.050 PITCH	
	= 0		ANGULAR TOL ± 0.5°								PRODUCT CUSTOMER DRAWING	
	= 0		4 PLACES ±		DRWN: JBINGHAM 2018/10/01						DOCUMENT NUMBER	
	= 0		3 PLACES ±		CHK'D: DMCGOWAN 2018/10/03						SD-46556-001	
	= 0		2 PLACES ± 0.25		APPR: DMCGOWAN 2018/10/03						DOC TYPE DOC PART REVISION	
	= 0		1 PLACE ± 0.38		INITIAL REVISION:						PSD 001 N2	
	= 0		0 PLACES ±		DRWN: TGREGORI 2007/06/28						MATERIAL NUMBER	
= 0		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		CUSTOMER		
= 0						B-SIZE		46556		GENERAL MARKET		
= 0								SEE TABLE		SHEET NUMBER		
= 0										3 OF 3		