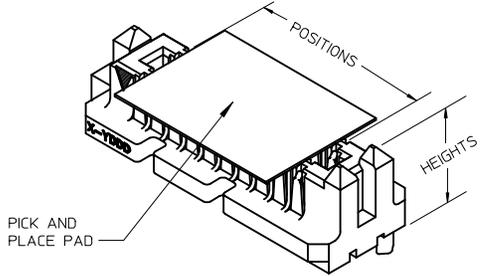


10 POSITION VERSION SHOWN IN THESE VIEWS



- 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

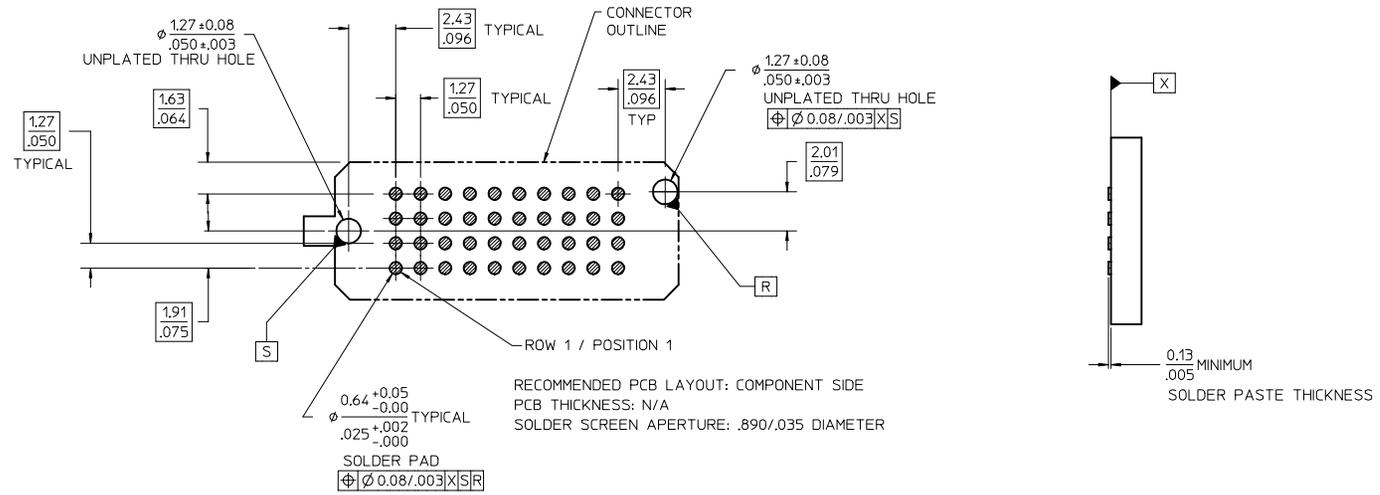
POSITIONS	DIM G		TOTAL NUMBER OF EDGE NOTCHES
10	17.68/1.696	0.15/1.006	4
15	24.02/1.946	0.15/1.006	6
20	30.37/1.196	0.15/1.006	10
25	36.72/1.446	0.15/1.006	12
30	43.07/1.696	0.15/1.006	14
35	49.42/1.946	0.15/1.006	16
40	55.77/2.196	0.15/1.006	20
45	62.12/2.446	0.23/1.009	22
50	68.47/2.696	0.23/1.009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

INITIAL RELEASE EC NO: UCP2015-1206 DRAWN: 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			
				MM/IN		4:1	INCH				
				DRAWN BY DATE		DRAWN BY DATE		TITLE SEARAY SLIM 4 (ROW) PLUG ASSEMBLY 1.27/.050 PITCH TIN/LEAD molex			
				CHECKED BY DATE		CHECKED BY DATE					
				APPROVED BY DATE		APPROVED BY DATE		DOCUMENT NO.		SHEET NO.	
		MATERIAL NO.		SEE TABLE SHT 3		RSD-46556-001		1 OF 3			

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

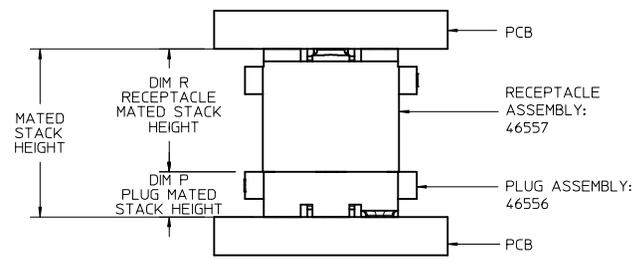
SIZE B THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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	RWHIPPLE 2014/10/22				
			2 PLACES ± 0.25	± .015	CHECKED BY DATE			DOCUMENT NO. RSD-46556-001	
			1 PLACE ± 0.38	± ---	DMORGAN 2014/10/22				
			0 PLACE ±	±	APPROVED BY DATE			SHEET NO. 2 OF 3	
					SMILLER 2015/01/05				
			ANGULAR ± 1/2°		MATERIAL NO.			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		SEE TABLE SHT 3				

9 8 7 6 5 4 3 2 1

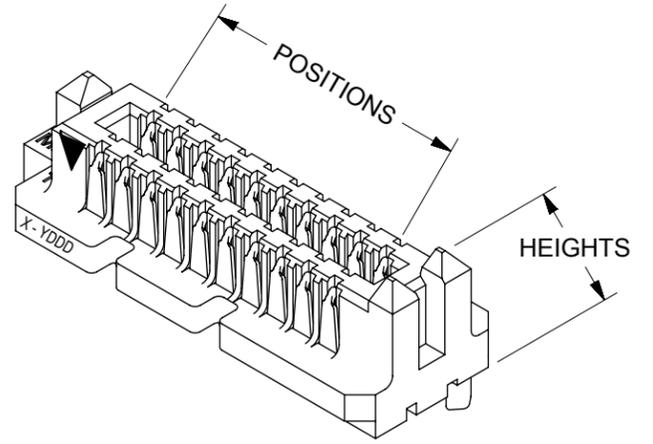
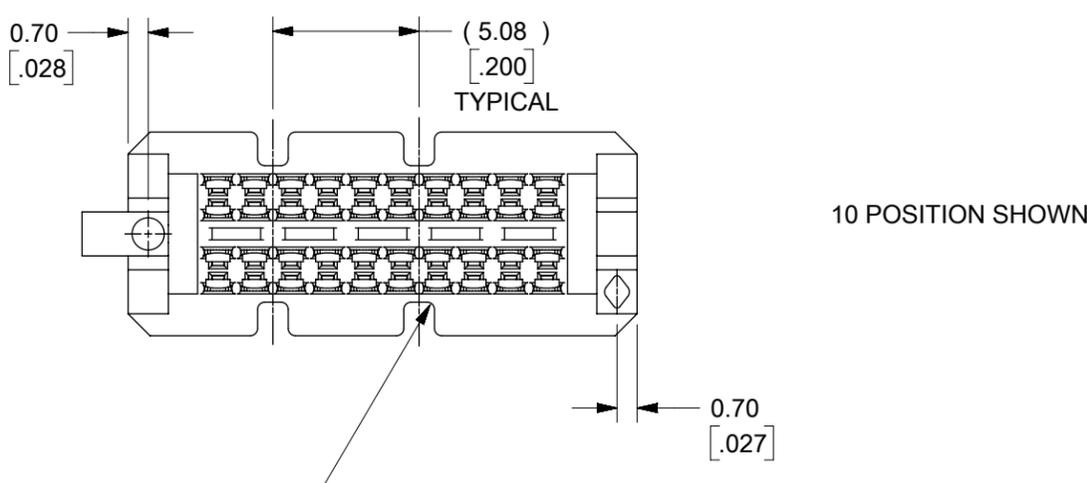
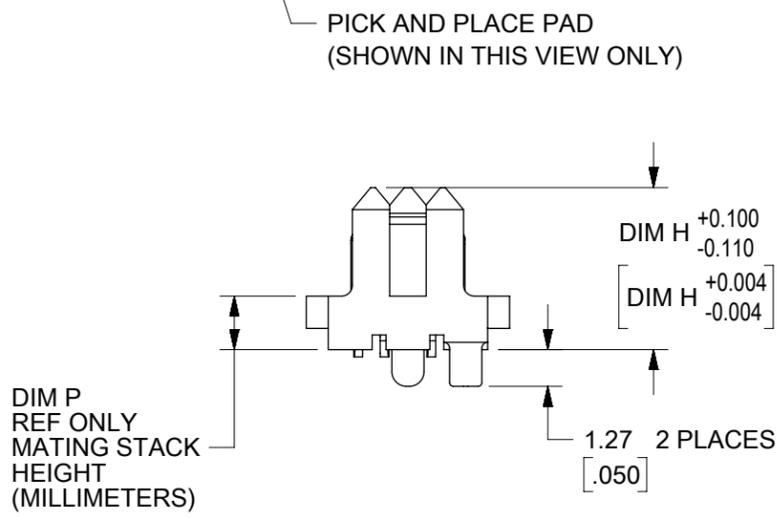
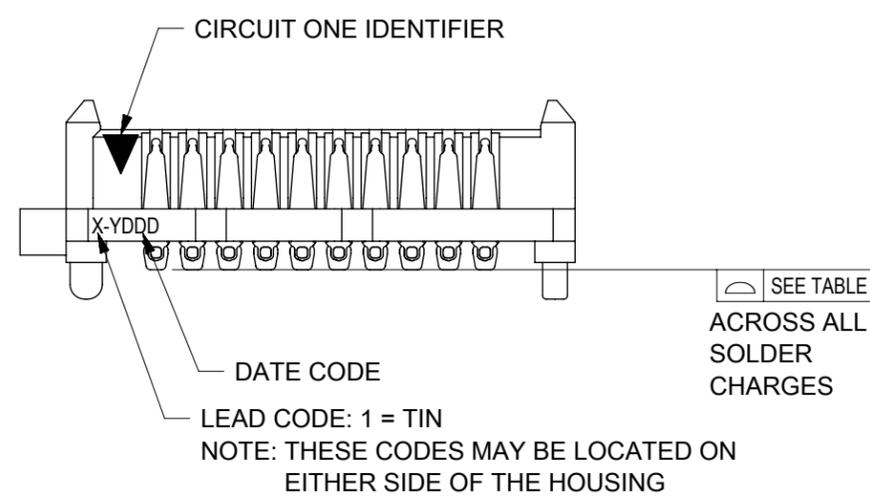
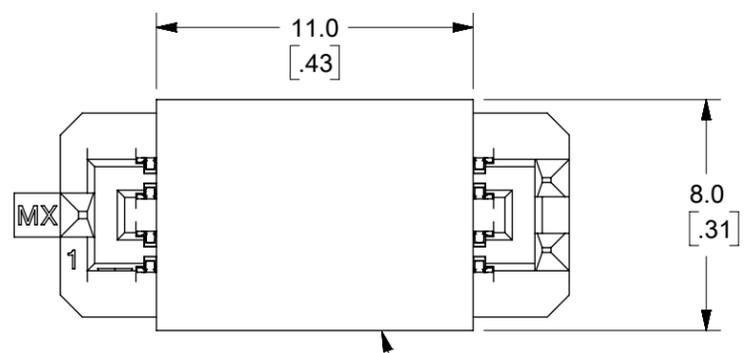
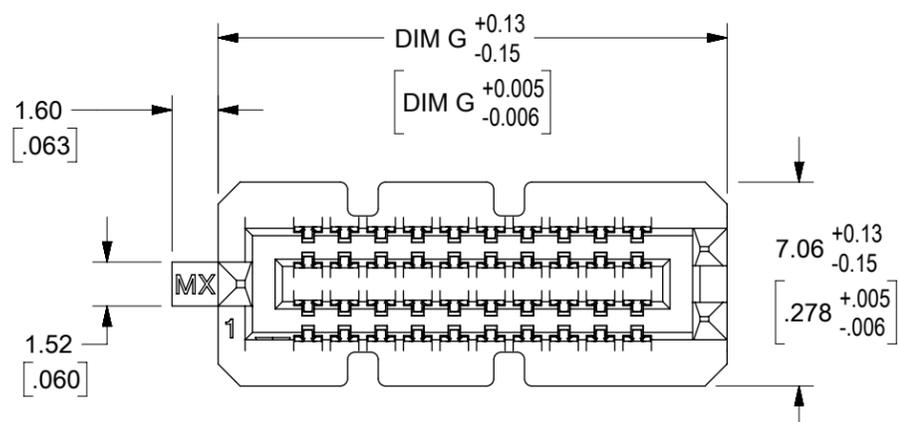
10 9 8 7 6 5 4 3 2 1

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						
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	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
		$\nabla F=0$ $\nabla F=0$ $\nabla F=0$	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 molex
		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							

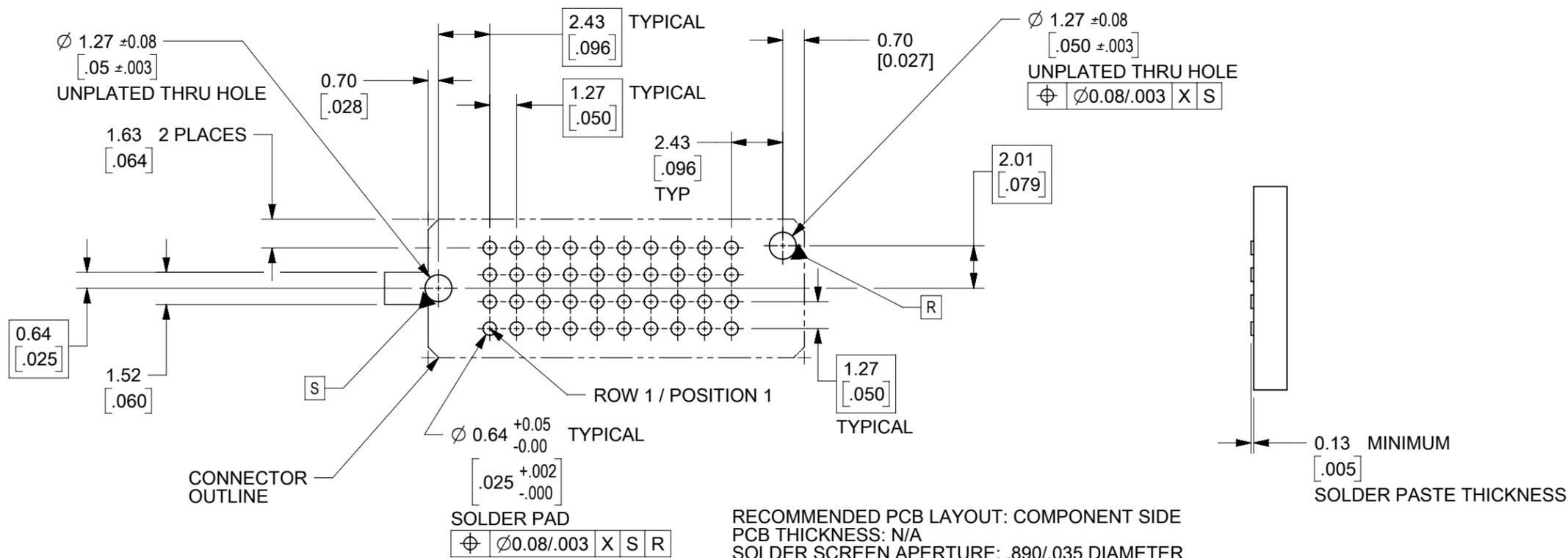
9 8 7 6 5 4 3 2 1



- 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

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

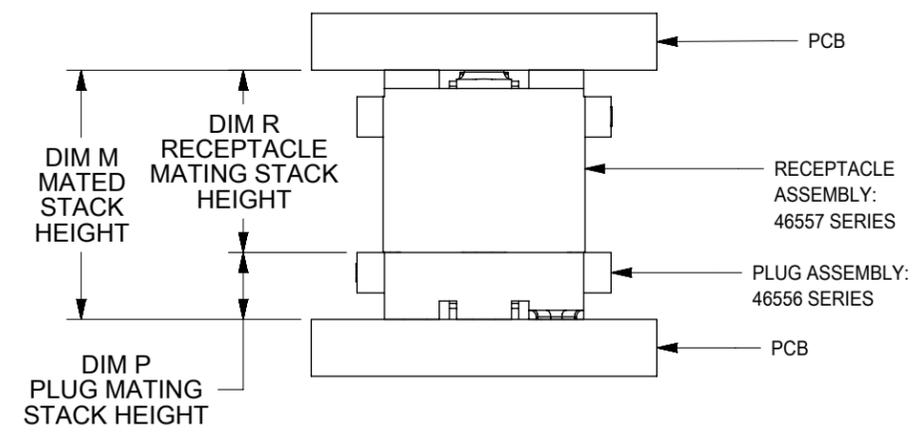
SYMBOLS = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION DIMENSION UNITS: MM/IN SCALE: 4:1	CURRENT REV DESC: UPDATE CHART EC NO: 605384 DRWN: JBINGHAM 2018/10/01 CHK'D: DMCGOWAN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

E

D

C

B

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						
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					
	MM/IN		1:1		EC NO: 605384 DRWN: JBINGHAM 2018/10/01 CHK'D: DMCGOWAN 2018/10/03 APPR: DMCGOWAN 2018/10/03					
	GENERAL TOLERANCES (UNLESS SPECIFIED)									
	ANGULAR TOL ± 0.5°		4 PLACES ±		INITIAL REVISION: DRWN: TGREGORI 2007/06/28 APPR: JCOMERCI 2007/06/29					
	3 PLACES ±		3 PLACES ±							
	2 PLACES ± 0.25		2 PLACES ±		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
	1 PLACE ± 0.38		1 PLACE ±		SD-46556-001		PSD	001	N2	
	0 PLACES ±		0 PLACES ±		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING	SERIES	SEE TABLE	GENERAL MARKET	3 OF 3	