

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0459713111

Status:

Active

Description:

1.27mm (.050") by 1.27mm (.050") Pitch SEARAY* Receptacle, 300 Circuits, 5.00mm (.196") Unmated Height, 10 Rows, With Pegs, Solder Charge™ Lead Free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-45970-001 (PDF)

Product Specification PS-45970-002 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

PCB Receptacles

Series

45971

Application

Board-to-Board

MolexKits

Yes

Product Name

SEARAY*

Physical

Circuits (Loaded)

300

Circuits (maximum)

300

Circuits Detail

300

Color - Resin

Black

Durability (mating cycles max)

100

Flammability

94V-0

Glow-Wire Compliant

No

Guide to Mating Part

No

Keying to Mating Part

None

Lock to Mating Part

No

Material - Metal

Copper Alloy

Material - Plating Mating

Gold

Material - Plating Termination

Tin

Material - Resin

High Temperature Thermoplastic

Number of Rows

10

Orientation

Vertical

PC Tail Length (in)

0.086 In

PC Tail Length (mm)

2.18 mm

PCB Locator

Yes

PCB Retention

Yes

PCB Thickness Recommended (in)

0.062 In

PCB Thickness Recommended (mm)

1.57 mm

Packaging Type

Tray

Pitch - Mating Interface (in)

0.050 In

Pitch - Mating Interface (mm)

1.27 mm

Pitch - Term. Interface (in)

0.050 In

Pitch - Term. Interface (mm)

1.27 mm

Plating min: Mating (µin)

30

Plating min: Mating (µm)

0.75

Plating min: Termination (µin)

100

Plating min: Termination (µm)

2.5

Polarized to Mating Part

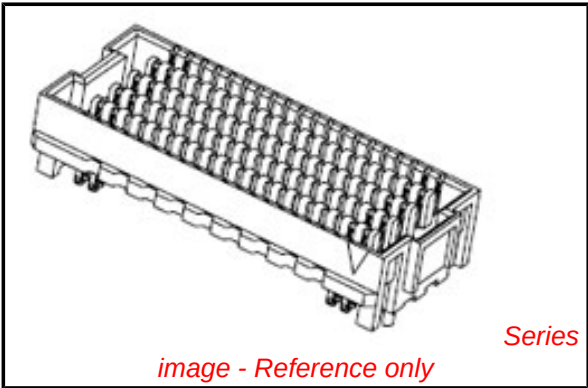
Yes

Polarized to PCB

Yes

Robotic Placement

Pick and Place Cap



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com

For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

45971Series

Mates With

45970 SEARAY* Plug

Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	2.7A
Grounding to PCB	No
Voltage - Maximum	240V AC

Solder Process Data

Duration at Max. Process Temperature (seconds)	3
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

Material Info

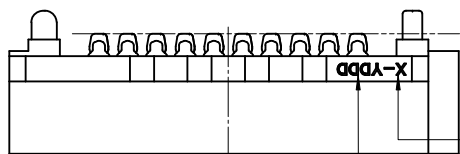
Reference - Drawing Numbers

Application Specification	AS-45970-001, AS-45970-002, AS-45970-990
Packaging Specification	PK-45971-001
Product Specification	PS-45970-001, PS-45970-002
Sales Drawing	SD-45971-001
Test Summary	TS-45970-001

*SEARAY is a trademark of Samtec, Inc.

This document was generated on 06/08/2010

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DATE CODE



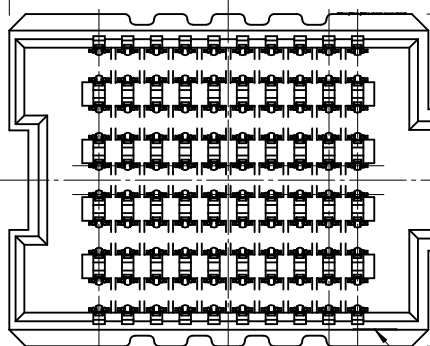
ACROSS ALL
SOLDER CHARGES

LEAD CODE:

1 = TIN

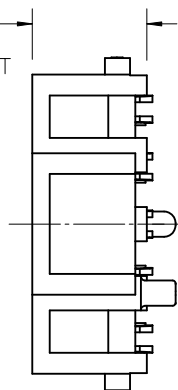
2 = TIN / LEAD

DIM M $\pm .010$



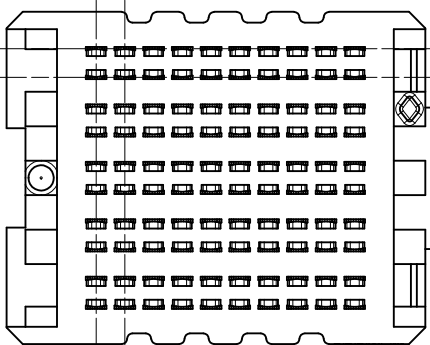
DIM C $\pm .010$

DIM R $^{+.002}_{-.004}$
UNMATED HEIGHT

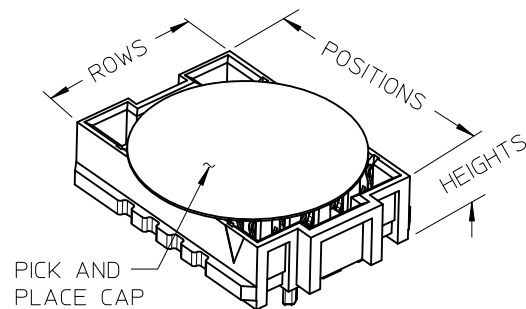


ROW 1 / POSITION 1 ID THIS SIDE

.050 TYP
TERMINAL PITCH



.050 TYP
TERMINAL PITCH



PICK AND
PLACE CAP

NOTES:

- MATERIALS: HOUSING: LCP, UL94V-0, BLACK
CONTACTS: COPPER ALLOY
SOLDER CHARGE: SEE CHART
- FINISH: ALL OPTIONS - SELECT GOLD IN CONTACT AREA: 30 MI MIN
OPTIONS 5.0: SELECT GOLD FLASH IN TAIL, 7 MI MIN
OPTIONS 6.0 THRU 8.0: SELECT TIN IN TAIL, 100 MI MIN
ALL OPTIONS - OVER NICKEL
- PRODUCT SPECIFICATION: PS-45970-001
- PACKAGING SPECIFICATION: SEE CHART
- MATES WITH SEARAY PLUG ASSEMBLY 45970
- APPLICATION SPECIFICATION: AS-45970-001
- COSMETIC SPECIFICATION: PS-45499-002 CLASS B
- PART STATUS: CONTACT MOLEX

UPDATED NOTE 2 EC NO: UCP2010-2270 DRWN: TREGORI 2010/03/05 CHKD: JCOMERC 2005/05/17 APPR: JCOMERC 2010/03/05	DESCRIPTION	
O	REV	

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	$\pm$ ---	$\pm$ ---
3 PLACES	$\pm$ ---	$\pm .005$
2 PLACES	$\pm$ ---	$\pm$ ---
1 PLACE	$\pm$ ---	$\pm$ ---

ANGULAR $\pm$ ---°

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE INCH ONLY

DRAWN BY	DATE
TGREGORI	2005/05/17
CHECKED BY	DATE
JCOMERC	2005/05/17
APPROVED BY	DATE
JCOMERC	2010/03/05

MATERIAL NO.
SEE CHART

SIZE
A

SCALE
3:1

DESIGN UNITS
INCH

THIRD ANGLE
PROJECTION

SEARAY RECEPTACLE ASSEMBLY .050 CENTERS	
MOLEX INCORPORATED	
DOCUMENT NO. SD-45971-001	SHEET NO. 1 OF 10

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

6

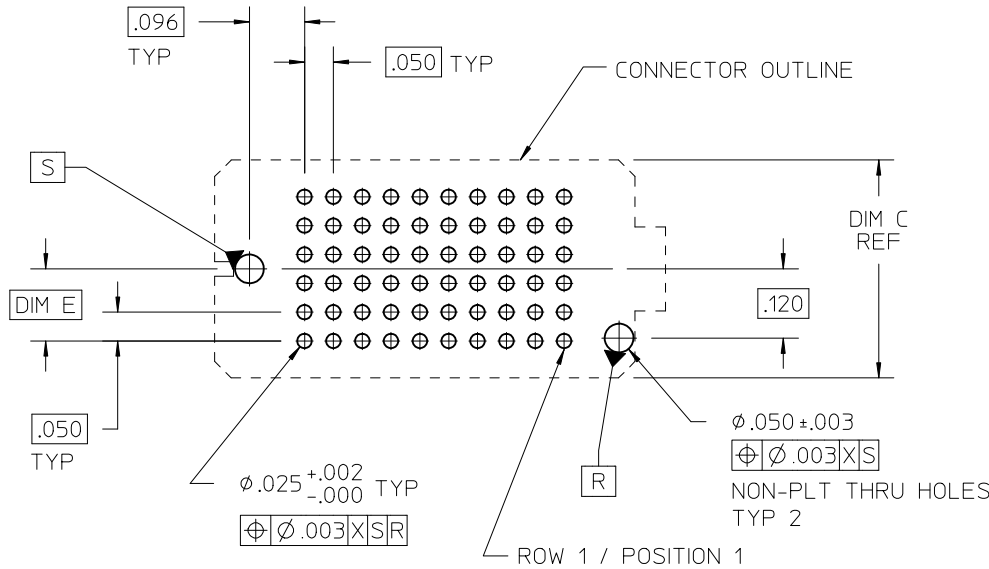
5

4

3

2

1

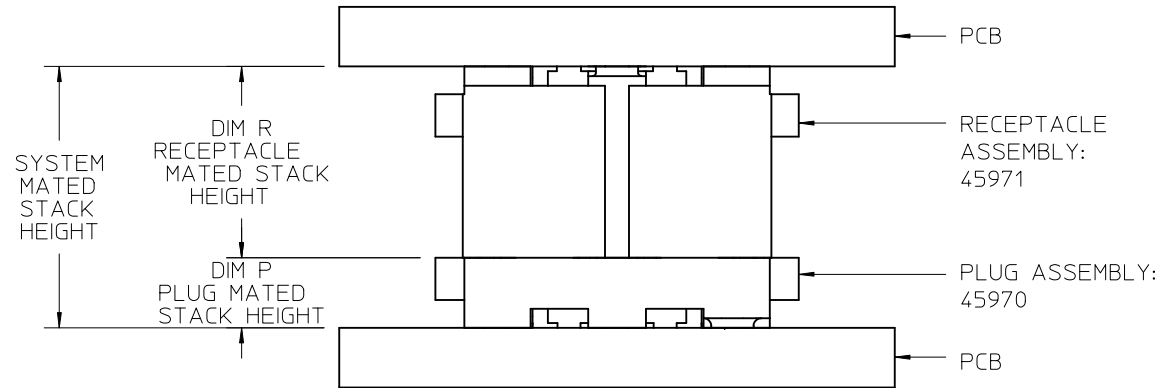


.005
MIN SOLDER
PASTE THICKNESS

NO OF ROWS	DIM C	DIM E
6	.378	.125
8	.478	.175
10	.578	.225
12	.678	.275

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

DIM P PLUG STACK HEIGHT	DIM R RECEPTACLE STACK HEIGHT					
	MM	5.0	6.0	6.5	7.5	8.0
	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 METRIC FOR REF ONLY

MATED STACK HEIGHTS
(MILLIMETERS) REF

SEE SHEET 1 EC NO: UCP2010-2270 DRWN:TREGORI 2010/03/05 CHKD:JCOMERC I 2005/05/17 APPR:JCOMERC I 2010/03/05	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE INCH ONLY		SCALE 3:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY TREGORI	DATE 2005/05/17	TITLE SEARAY RECEPTACLE ASSEMBLY .050 CENTERS				
		4 PLACES	± ---	± ---	CHECKED BY JCOMERC I	DATE 2005/05/17					
		3 PLACES	± ---	± .005	APPROVED BY JCOMERC I	DATE 2010/03/05	MOLEX INCORPORATED				
		2 PLACES	± ---	± ---	MATERIAL NO. SEE CHARTS						
		1 PLACE	± ---	± ---	SIZE A		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
	ANGULAR ± ---°			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							
REV											

5

4

3

2

1

		6		5		4		3		2		1		
D	TRAY PACK PK-45971-001	DIM R: (REF)		5.0 MM		6.0 MM		6.5 MM		7.5 MM		8.0 MM		STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY
		DIM R: HOUSING HEIGHT												
		POSITION	DIM M	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		
		19	1.232	45971-0161		45971-0261		45971-0361		45971-0461		45971-0561		
		10	0.782	45971-1161		45971-1261		45971-1361		45971-1461		45971-1561		
		20	1.282	45971-2161		45971-2261		45971-2361		45971-2461		45971-2561		
		30	1.782	45971-3161		45971-3261		45971-3361		45971-3461		45971-3561		
		40	2.282	45971-4161		45971-4261		45971-4361		45971-4461		45971-4561		
		50	2.782	45971-5161		45971-5261		45971-5361		45971-5461		45971-5561		
		15	1.032	45971-6161		45971-6261		45971-6361		45971-6461		45971-6561		
		25	1.532	45971-7161		45971-7261		45971-7361		45971-7461		45971-7561		
		35	2.032	45971-8161		45971-8261		45971-8361		45971-8461		45971-8561		
45	2.532	45971-9161		45971-9261		45971-9361		45971-9461		45971-9561				
C	TRAY PACK PK-45971-002	DIM R: (REF)		5.0 MM		6.0 MM		6.5 MM		7.5 MM		8.0 MM		STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY
		DIM R: HOUSING HEIGHT												
		POSITION	DIM M	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		
		19	1.232	45971-0165		45971-0265		45971-0365		45971-0465		45971-0565		
		10	0.782	45971-1165		45971-1265		45971-1365		45971-1465		45971-1565		
		20	1.282	45971-2165		45971-2265		45971-2365		45971-2465		45971-2565		
		30	1.782	45971-3165		45971-3265		45971-3365		45971-3465		45971-3565		
		40	2.282	45971-4165		45971-4265		45971-4365		45971-4465		45971-4565		
		50	2.782	45971-5165		45971-5265		45971-5365		45971-5465		45971-5565		
		15	1.032	45971-6165		45971-6265		45971-6365		45971-6465		45971-6565		
		25	1.532	45971-7165		45971-7265		45971-7365		45971-7465		45971-7565		
		35	2.032	45971-8165		45971-8265		45971-8365		45971-8465		45971-8565		
45	2.532	45971-9165		45971-9265		45971-9365		45971-9465		45971-9565				
B	TRAY PACK PK-45971-002	DIM R: (REF)		5.0 MM		6.0 MM		6.5 MM		7.5 MM		8.0 MM		STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY
		DIM R: HOUSING HEIGHT												
		POSITION	DIM M	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		
		19	1.232	45971-0165		45971-0265		45971-0365		45971-0465		45971-0565		
		10	0.782	45971-1165		45971-1265		45971-1365		45971-1465		45971-1565		
		20	1.282	45971-2165		45971-2265		45971-2365		45971-2465		45971-2565		
		30	1.782	45971-3165		45971-3265		45971-3365		45971-3465		45971-3565		
		40	2.282	45971-4165		45971-4265		45971-4365		45971-4465		45971-4565		
		50	2.782	45971-5165		45971-5265		45971-5365		45971-5465		45971-5565		
		15	1.032	45971-6165		45971-6265		45971-6365		45971-6465		45971-6565		
		25	1.532	45971-7165		45971-7265		45971-7365		45971-7465		45971-7565		
		35	2.032	45971-8165		45971-8265		45971-8365		45971-8465		45971-8565		
45	2.532	45971-9165		45971-9265		45971-9365		45971-9465		45971-9565				
A	TRAY PACK PK-45971-002	DIM R: (REF)		5.0 MM		6.0 MM		6.5 MM		7.5 MM		8.0 MM		STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY
		DIM R: HOUSING HEIGHT												
		POSITION	DIM M	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		
		19	1.232	45971-0165		45971-0265		45971-0365		45971-0465		45971-0565		
		10	0.782	45971-1165		45971-1265		45971-1365		45971-1465		45971-1565		
		20	1.282	45971-2165		45971-2265		45971-2365		45971-2465		45971-2565		
		30	1.782	45971-3165		45971-3265		45971-3365		45971-3465		45971-3565		
		40	2.282	45971-4165		45971-4265		45971-4365		45971-4465		45971-4565		
		50	2.782	45971-5165		45971-5265		45971-5365		45971-5465		45971-5565		
		15	1.032	45971-6165		45971-6265		45971-6365		45971-6465		45971-6565		
		25	1.532	45971-7165		45971-7265		45971-7365		45971-7465		45971-7565		
		35	2.032	45971-8165		45971-8265		45971-8365		45971-8465		45971-8565		
45	2.532	45971-9165		45971-9265		45971-9365		45971-9465		45971-9565				
tb_frame_A_P_AM_T Rev. E 2006/04/15		5		4		3		2		1				

NOTES:

1. THIS SHEET CONTAINS THE FOLLOWING OPTIONS
NO OF ROWS: 6
SOLDER CHARGE: TIN
PACKAGING: TRAYS AND TAPE AND REEL

SEE SHEET 1
EC NO: UCP2010-2270
DRWN:TGREGORI 2010/03/05
CH'KD:JCOMERC I 2005/05/17
APPR:JCOMERC I 2010/03/05

REV

DESCRIPTION

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

DATE

TGREGORI 2005/05/17

CHECKED BY

DATE

JCOMERC I 2005/05/17

APPROVED BY

DATE

JCOMERC I 2010/03/05

MATERIAL NO.

SEE CHART

SIZE

A

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
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SCALE
1:1

DESIGN UNITS
INCH

THIRD ANGLE
PROJECTION

TITLE

SEARAY
RECEPTACLE ASSEMBLY
.050 CENTERS

MOLEX

MOLEX INCORPORATED

DOCUMENT NO.

SD-45971-001

SHEET NO.

3 OF 10

		6		5		4		3		2		1		
D	TRAY PACK PK-45971-001	DIM R: (REF)		5.0 MM		6.0 MM		6.5 MM		7.5 MM		8.0 MM		STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY
		DIM R: HOUSING HEIGHT												
		POSITION	DIM M	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		
		19	1.232	45971-0163		45971-0263		45971-0363		45971-0463		45971-0563		
		10	0.782	45971-1163		45971-1263		45971-1363		45971-1463		45971-1563		
		20	1.282	45971-2163		45971-2263		45971-2363		45971-2463		45971-2563		
		30	1.782	45971-3163		45971-3263		45971-3363		45971-3463		45971-3563		
		40	2.282	45971-4163		45971-4263		45971-4363		45971-4463		45971-4563		
		50	2.782	45971-5163		45971-5263		45971-5363		45971-5463		45971-5563		
		15	1.032	45971-6163		45971-6263		45971-6363		45971-6463		45971-6563		
C	TRAY PACK PK-45971-002	DIM R: (REF)		5.0 MM		6.0 MM		6.5 MM		7.5 MM		8.0 MM		STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY
		DIM R: HOUSING HEIGHT												
		POSITION	DIM M	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		
		19	1.232	45971-0167		45971-0267		45971-0367		45971-0467		45971-0567		
		10	0.782	45971-1167		45971-1267		45971-1367		45971-1467		45971-1567		
		20	1.282	45971-2167		45971-2267		45971-2367		45971-2467		45971-2567		
		30	1.782	45971-3167		45971-3267		45971-3367		45971-3467		45971-3567		
		40	2.282	45971-4167		45971-4267		45971-4367		45971-4467		45971-4567		
		50	2.782	45971-5167		45971-5267		45971-5367		45971-5467		45971-5567		
		15	1.032	45971-6167		45971-6267		45971-6367		45971-6467		45971-6567		
B	TRAY PACK PK-45971-002	DIM R: (REF)		5.0 MM		6.0 MM		6.5 MM		7.5 MM		8.0 MM		STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY
		DIM R: HOUSING HEIGHT												
		POSITION	DIM M	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		
		19	1.232	45971-0167		45971-0267		45971-0367		45971-0467		45971-0567		
		10	0.782	45971-1167		45971-1267		45971-1367		45971-1467		45971-1567		
		20	1.282	45971-2167		45971-2267		45971-2367		45971-2467		45971-2567		
		30	1.782	45971-3167		45971-3267		45971-3367		45971-3467		45971-3567		
		40	2.282	45971-4167		45971-4267		45971-4367		45971-4467		45971-4567		
		50	2.782	45971-5167		45971-5267		45971-5367		45971-5467		45971-5567		
		15	1.032	45971-6167		45971-6267		45971-6367		45971-6467		45971-6567		
A	TRAY PACK PK-45971-002	DIM R: (REF)		5.0 MM		6.0 MM		6.5 MM		7.5 MM		8.0 MM		STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY
		DIM R: HOUSING HEIGHT												
		POSITION	DIM M	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		
		19	1.232	45971-0167		45971-0267		45971-0367		45971-0467		45971-0567		
		10	0.782	45971-1167		45971-1267		45971-1367		45971-1467		45971-1567		
		20	1.282	45971-2167		45971-2267		45971-2367		45971-2467		45971-2567		
		30	1.782	45971-3167		45971-3267		45971-3367		45971-3467		45971-3567		
		40	2.282	45971-4167		45971-4267		45971-4367		45971-4467		45971-4567		
		50	2.782	45971-5167		45971-5267		45971-5367		45971-5467		45971-5567		
		15	1.032	45971-6167		45971-6267		45971-6367		45971-6467		45971-6567		
NOTES: 1. THIS SHEET CONTAINS THE FOLLOWING OPTIONS NO OF ROWS: 6 SOLDER CHARGE: TIN / LEAD PACKAGING: TRAYS AND TAPE AND REEL														
SEE SHEET 1 EC NO: UCP2010-2270 DRWN: TGREGORI 2010/03/05 CHKD: JCOMERC I 2005/05/17 APPR: JCOMERC I 2010/03/05														
DESCRIPTION														
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 DATE														
TGREGORI 2005/05/17														
CHECKED BY DATE														
JCOMERC I 2005/05/17														
APPROVED BY DATE														
JCOMERC I 2010/03/05														
MATERIAL NO.														
SEE CHART														
SIZE A THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
SCALE 1:1														
DESIGN UNITS INCH														
THIRD ANGLE PROJECTION														
TITLE														
SEARAY RECEPTACLE ASSEMBLY .050 CENTERS														
MOLEX MOLEX INCORPORATED														
DOCUMENT NO. SD-45971-001														
SHEET NO. 4 OF 10														
tb_frame_A_P_AM_T Rev. E 2006/04/15														
		5		4		3		2		1				

		6		5		4		3		2		1			
D	TRAY PACK PK-45971-001	DIM R: (REF)		5.0 MM		6.0 MM		6.5 MM		7.5 MM		8.0 MM		STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY	
		DIM R: HOUSING HEIGHT													
		POSITION	DIM M	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO			
		19	1.232	45971-0181		45971-0281		45971-0381		45971-0481		45971-0581			
		10	0.782	45971-1181		45971-1281		45971-1381		45971-1481		45971-1581			
		20	1.282	45971-2181		45971-2281		45971-2381		45971-2481		45971-2581			
		30	1.782	45971-3181		45971-3281		45971-3381		45971-3481		45971-3581			
		40	2.282	45971-4181		45971-4281		45971-4381		45971-4481		45971-4581			
		50	2.782	45971-5181		45971-5281		45971-5381		45971-5481		45971-5581			
		15	1.032	45971-6181		45971-6281		45971-6381		45971-6481		45971-6581			
		25	1.532	45971-7181		45971-7281		45971-7381		45971-7481		45971-7581			
		35	2.032	45971-8181		45971-8281		45971-8381		45971-8481		45971-8581			
		45	2.532	45971-9181		45971-9281		45971-9381		45971-9481		45971-9581			
B	TRAY PACK PK-45971-002	DIM R: (REF)		5.0 MM		6.0 MM		6.5 MM		7.5 MM		8.0 MM		STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY	
		DIM R: HOUSING HEIGHT													
		POSITION	DIM M	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO			
		19	1.232	45971-0185		45971-0285		45971-0385		45971-0485		45971-0585			
		10	0.782	45971-1185		45971-1285		45971-1385		45971-1485		45971-1585			
		20	1.282	45971-2185		45971-2285		45971-2385		45971-2485		45971-2585			
		30	1.782	45971-3185		45971-3285		45971-3385		45971-3485		45971-3585			
		40	2.282	45971-4185		45971-4285		45971-4385		45971-4485		45971-4585			
		50	2.782	45971-5185		45971-5285		45971-5385		45971-5485		45971-5585			
		15	1.032	45971-6185		45971-6285		45971-6385		45971-6485		45971-6585			
		25	1.532	45971-7185		45971-7285		45971-7385		45971-7485		45971-7585			
		35	2.032	45971-8185		45971-8285		45971-8385		45971-8485		45971-8585			
		45	2.532	45971-9185		45971-9285		45971-9385		45971-9485		45971-9585			
A	SEE SHEET 1 EC NO: UCP2010-2270 DRWN: TGREGORI 2010/03/05 CHKD: JCOMERC I 2005/05/17 APPR: JCOMERC I 2010/03/05	REV	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE INCH ONLY		SCALE 1:1		DESIGN UNITS INCH		THIRD ANGLE PROJECTION			
				4 PLACES		mm		INCH		DRAWN BY		DATE		SEARAY RECEPTACLE ASSEMBLY .050 CENTERS	
				3 PLACES		± ---		± ---		TGREGORI		2005/05/17			
				2 PLACES		± ---		± .005		CHECKED BY		DATE			
				1 PLACE		± ---		± ---		JCOMERC I		2005/05/17			
				ANGULAR		± ---°				APPROVED BY		DATE		MOLEX INCORPORATED	
										JCOMERC I		2010/03/05			
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		SEE CHART		DOCUMENT NO.		SD-45971-001		SHEET NO. 5 OF 10	
						SIZE A		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
				tb_frame_A_P_AM_T Rev. E 2006/04/15		5		4		3		2		1	

		6				5				4				3				2				1		
D	TRAY PACK PK-45971-001	DIM R: (REF)		5.0 MM		6.0 MM		6.5 MM		7.5 MM		8.0 MM		STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY										
		DIM R: HOUSING HEIGHT																						
		POSITION		DIM M	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO											
		19		1.232	45971-0183		45971-0283		45971-0383		45971-0483		45971-0583											
		10		0.782	45971-1183		45971-1283		45971-1383		45971-1483		45971-1583											
		20		1.282	45971-2183		45971-2283		45971-2383		45971-2483		45971-2583											
		30		1.782	45971-3183		45971-3283		45971-3383		45971-3483		45971-3583											
		40		2.282	45971-4183		45971-4283		45971-4383		45971-4483		45971-4583											
		50		2.782	45971-5183		45971-5283		45971-5383		45971-5483		45971-5583											
		15		1.032	45971-6183		45971-6283		45971-6383		45971-6483		45971-6583											
		25		1.532	45971-7183		45971-7283		45971-7383		45971-7483		45971-7583											
		35		2.032	45971-8183		45971-8283		45971-8383		45971-8483		45971-8583											
45		2.532	45971-9183		45971-9283		45971-9383		45971-9483		45971-9583													
C	TRAY PACK PK-45971-002	DIM R: (REF)		5.0 MM		6.0 MM		6.5 MM		7.5 MM		8.0 MM		STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY										
		DIM R: HOUSING HEIGHT																						
		POSITION		DIM M	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO											
		19		1.232	45971-0187		45971-0287		45971-0387		45971-0487		45971-0587											
		10		0.782	45971-1187		45971-1287		45971-1387		45971-1487		45971-1587											
		20		1.282	45971-2187		45971-2287		45971-2387		45971-2487		45971-2587											
		30		1.782	45971-3187		45971-3287		45971-3387		45971-3487		45971-3587											
		40		2.282	45971-4187		45971-4287		45971-4387		45971-4487		45971-4587											
		50		2.782	45971-5187		45971-5287		45971-5387		45971-5487		45971-5587											
		15		1.032	45971-6187		45971-6287		45971-6387		45971-6487		45971-6587											
		25		1.532	45971-7187		45971-7287		45971-7387		45971-7487		45971-7587											
		35		2.032	45971-8187		45971-8287		45971-8387		45971-8487		45971-8587											
45		2.532	45971-9187		45971-9287		45971-9387		45971-9487		45971-9587													
B	TRAY PACK PK-45971-002	DIM R: (REF)		5.0 MM		6.0 MM		6.5 MM		7.5 MM		8.0 MM		STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY										
		DIM R: HOUSING HEIGHT																						
		POSITION		DIM M	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO											
		19		1.232	45971-0187		45971-0287		45971-0387		45971-0487		45971-0587											
		10		0.782	45971-1187		45971-1287		45971-1387		45971-1487		45971-1587											
		20		1.282	45971-2187		45971-2287		45971-2387		45971-2487		45971-2587											
		30		1.782	45971-3187		45971-3287		45971-3387		45971-3487		45971-3587											
		40		2.282	45971-4187		45971-4287		45971-4387		45971-4487		45971-4587											
		50		2.782	45971-5187		45971-5287		45971-5387		45971-5487		45971-5587											
		15		1.032	45971-6187		45971-6287		45971-6387		45971-6487		45971-6587											
		25		1.532	45971-7187		45971-7287		45971-7387		45971-7487		45971-7587											
		35		2.032	45971-8187		45971-8287		45971-8387		45971-8487		45971-8587											
45		2.532	45971-9187		45971-9287		45971-9387		45971-9487		45971-9587													
A	TRAY PACK PK-45971-002	DIM R: (REF)		5.0 MM		6.0 MM		6.5 MM		7.5 MM		8.0 MM		STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY										
		DIM R: HOUSING HEIGHT																						
		POSITION		DIM M	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO											
		19		1.232	45971-0187		45971-0287		45971-0387		45971-0487		45971-0587											
		10		0.782	45971-1187		45971-1287		45971-1387		45971-1487		45971-1587											
		20		1.282	45971-2187		45971-2287		45971-2387		45971-2487		45971-2587											
		30		1.782	45971-3187		45971-3287		45971-3387		45971-3487		45971-3587											
		40		2.282	45971-4187		45971-4287		45971-4387		45971-4487		45971-4587											
		50		2.782	45971-5187		45971-5287		45971-5387		45971-5487		45971-5587											
		15		1.032	45971-6187		45971-6287		45971-6387		45971-6487		45971-6587											
		25		1.532	45971-7187		45971-7287		45971-7387		45971-7487		45971-7587											
		35		2.032	45971-8187		45971-8287		45971-8387		45971-8487		45971-8587											
45		2.532	45971-9187		45971-9287		45971-9387		45971-9487		45971-9587													
		DIM R: (REF)		5.0 MM		6.0 MM		6.5 MM		7.5 MM		8.0 MM		STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY										
		DIM R: HOUSING HEIGHT																						
				.199		.238		.258		.297		.297												
		POSITION	DIM M	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO												
		19	1.232	45971-0187		45971-0287		45971-0387		45971-0487		45971-0587												
		10	0.782	45971-1187		45971-1287		45971-1387		45971-1487		45971-1587												
		20	1.282	45971-2187		45971-2287		45971-2387		45971-2487		45971-2587												
		30	1.782	45971-3187		45971-3287		45971-3387		45971-3487		45971-3587												
		40	2.282	45971-4187		45971-4287		45971-4387		45971-4487		45971-4587												
		50	2.782	45971-5187		45971-5287		45971-5387		45971-5487		45971-5587												
		15	1.032	45971-6187		45971-6287		45971-6387		45971-6487		45971-6587												
		25	1.532	45971-7187		45971-7287		45971-7387		45971-7487		45971-7587												
		35	2.032	45971-8187		45971-8287		45971-8387		45971-8487		45971-8587												
		45	2.532	45971-9187		45971-9287		45971-9387		45971-9487		45971-9587												
		DIM R: (REF)		5.0 MM		6.0 MM		6.5 MM		7.5 MM		8.0 MM		STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY										
		DIM R: HOUSING HEIGHT																						
				.199		.238		.258		.297		.297												
		POSITION	DIM M	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO												
		19	1.232	45971-0187		45971-0287		45971-0387		45971-0487		45971-0587												
		10	0.782	45971-1187		45971-1287		45971-1387		45971-1487		45971-1587												
		20	1.282	45971-2187		45971-2287		45971-2387		45971-2487		45971-2587												
		30	1.782	45971-3187		45971-3287		45971-3387		45971-3487		45971-3587												
		40	2.282	45971-4187		45971-4287		45971-4387		45971-4487		45971-4587												
		50	2.782	45971-5187		45971-5287		45971-5387		45971-5487		45971-5587												
		15	1.032	45971-6187		45971-6287		45971-6387		45971-6487		45971-6587												
		25	1.532	45971-7187		45971-7287		45971-7387		45971-7487		45971-7587												
		35	2.032	45971-8187		45971-8287		45971-8387		45971-8487		45971-8587												
		45	2.532	45971-9187		45971-9287		45971-9387		45971-9487		45971-9587												
		DIM R: (REF)		5.0 MM		6.0 MM		6.5 MM		7.5 MM		8.0 MM		STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY										
		DIM R: HOUSING HEIGHT																						
				.199		.238		.258		.297		.297												
		POSITION	DIM M	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO												
		19	1.232	45971-0187		45971-0287		45971-0387		45971-0487		45971-0587												
		10	0.782	45971-1187		45971-1287		45971-1387		45971-1487		45971-1587												
		20	1.282	45971-2187		45971-2287		45971-2387		45971-2487		45971-2587												
		30	1.782	45971-3187		45971-3287		45971-3387		45971-3487		45971-3587												
		40	2.282	45971-4187		45971-4287		45971-4387		45971-4487		45971-4587												
		50	2.782	45971-5187		45971-5287		45971-5387		45971-5487		45971-5587												
		15	1.032	45971-6187		45971-6287		45971-6387		45971-6487		45971-6587												
		25	1.532	45971-7187		45971-7287		45971-7387		45971-7487		45971-7587												
		35	2.032	45971-8187		45971-8287		45971-8387		45971-8487		45971-8587												
		45	2.532	45971-9187		45971-9287		45971-9387		45971-9487		45971-9587												
		DIM R: (REF)		5.0 MM		6.0 MM		6.5 MM		7.5 MM		8.0 MM		STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY										
		DIM R: HOUSING HEIGHT																						
				.199		.238		.258		.297		.297												
		POSITION	DIM M	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO												
		19	1.232	45971-0187		45971-0287		45971-0387		45971-0487		45971-0587												
		10	0.782	45971-1187		45971-1287		45971-1387		45971-1487		45971-1587												
		20	1.282	45971-2187		45971-2287		45971-2387		45971-2487		45971-2587												
		30	1.782	45971-3187		45971-3287		45971-3387		45971-3487		45971-3587												
		40	2.282	45971-4187		45971-4287		45971-4387		45971-4487		45971-4587												
		50	2.782	45971-5187		45971-5287		45971-5387		45971-5487		45971-5587												
		15	1.032	45971-6187		45971-6287		45971-6387		45971-6487		45971-6587												
		25	1.532	45971-7187		45971-7287		45971-7387		45971-7487		45971-7587												

D	TRAY PACK PK-45971-001	DIM R: (REF)		5.0 MM	6.0 MM	6.5 MM	7.5 MM	8.0 MM	STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY		
		DIM R: HOUSING HEIGHT		.199	.238	.258	.297	.297			
		POSITION	DIM M	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO			
		19	1.232	45971-0111	45971-0211	45971-0311	45971-0411	45971-0511			
		10	0.782	45971-1111	45971-1211	45971-1311	45971-1411	45971-1511			
		20	1.282	45971-2111	45971-2211	45971-2311	45971-2411	45971-2511			
		30	1.782	45971-3111	45971-3211	45971-3311	45971-3411	45971-3511			
		40	2.282	45971-4111	45971-4211	45971-4311	45971-4411	45971-4511			
		50	2.782	45971-5111	45971-5211	45971-5311	45971-5411	45971-5511			
		15	1.032	45971-6111	45971-6211	45971-6311	45971-6411	45971-6511			
		25	1.532	45971-7111	45971-7211	45971-7311	45971-7411	45971-7511			
		35	2.032	45971-8111	45971-8211	45971-8311	45971-8411	45971-8511			
		45	2.532	45971-9111	45971-9211	45971-9311	45971-9411	45971-9511			
C	TRAY PACK PK-45971-002	DIM R: (REF)		5.0 MM	6.0 MM	6.5 MM	7.5 MM	8.0 MM	STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY		
		DIM R: HOUSING HEIGHT		.199	.238	.258	.297	.297			
		POSITION	DIM M	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO	MATERIAL NO			
		19	1.232	45971-0115	45971-0215	45971-0315	45971-0415	45971-0515			
		10	0.782	45971-1115	45971-1215	45971-1315	45971-1415	45971-1515			
		20	1.282	45971-2115	45971-2215	45971-2315	45971-2415	45971-2515			
		30	1.782	45971-3115	45971-3215	45971-3315	45971-3415	45971-3515			
		40	2.282	45971-4115	45971-4215	45971-4315	45971-4415	45971-4515			
		50	2.782	45971-5115	45971-5215	45971-5315	45971-5415	45971-5515			
		15	1.032	45971-6115	45971-6215	45971-6315	45971-6415	45971-6515			
		25	1.532	45971-7115	45971-7215	45971-7315	45971-7415	45971-7515			
		35	2.032	45971-8115	45971-8215	45971-8315	45971-8415	45971-8515			
		45	2.532	45971-9115	45971-9215	45971-9315	45971-9415	45971-9515			
B	NOTES: 1. THIS SHEET CONTAINS THE FOLLOWING OPTIONS NO OF ROWS: 10 SOLDER CHARGE: TIN PACKAGING: TRAYS AND TAPE AND REEL										
	SEE SHEET 1 EC NO: UCP2010-2270 DRWN: TGREGORI 2010/03/05 CHKD: JCOMERC I 2005/05/17 APPR: JCOMERC I 2010/03/05 REV	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE INCH ONLY		SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		
		4 PLACES ± --- ± ---		DRAWN BY DATE TGREGORI 2005/05/17		TITLE SEARAY RECEPTACLE ASSEMBLY .050 CENTERS					
		3 PLACES ± --- ± .005		CHECKED BY DATE JCOMERC I 2005/05/17							
		2 PLACES ± --- ± ---		APPROVED BY DATE JCOMERC I 2010/03/05							
		1 PLACE ± --- ± ---		MATERIAL NO. SEE CHART							
		ANGULAR ± ---°		DOCUMENT NO. SD-45971-001			SHEET NO. 7 OF 10				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

tb_frame_A_P_AM_T
Rev. E 2006/04/15

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4

3

2

1

D	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 METRIC FOR REF ONLY
	DIM R: HOUSING HEIGHT												
	POSITION	DIM M	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		
	19	1.232	45971-0113		45971-0213		45971-0313		45971-0413		45971-0513		
	10	0.782	45971-1113		45971-1213		45971-1313		45971-1413		45971-1513		
	20	1.282	45971-2113		45971-2213		45971-2313		45971-2413		45971-2513		
	30	1.782	45971-3113		45971-3213		45971-3313		45971-3413		45971-3513		
	40	2.282	45971-4113		45971-4213		45971-4313		45971-4413		45971-4513		
	50	2.782	45971-5113		45971-5213		45971-5313		45971-5413		45971-5513		
15	1.032	45971-6113		45971-6213		45971-6313		45971-6413		45971-6513			
C	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 METRIC FOR REF ONLY
	DIM R: HOUSING HEIGHT												
	POSITION	DIM M	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		
	19	1.232	45971-0117		45971-0217		45971-0317		45971-0417		45971-0517		
	10	0.782	45971-1117		45971-1217		45971-1317		45971-1417		45971-1517		
	20	1.282	45971-2117		45971-2217		45971-2317		45971-2417		45971-2517		
	30	1.782	45971-3117		45971-3217		45971-3317		45971-3417		45971-3517		
	40	2.282	45971-4117		45971-4217		45971-4317		45971-4417		45971-4517		
	50	2.782	45971-5117		45971-5217		45971-5317		45971-5417		45971-5517		
15	1.032	45971-6117		45971-6217		45971-6317		45971-6417		45971-6517			
B	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 METRIC FOR REF ONLY
	DIM R: HOUSING HEIGHT												
	POSITION	DIM M	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		
	19	1.232	45971-0117		45971-0217		45971-0317		45971-0417		45971-0517		
	10	0.782	45971-1117		45971-1217		45971-1317		45971-1417		45971-1517		
	20	1.282	45971-2117		45971-2217		45971-2317		45971-2417		45971-2517		
	30	1.782	45971-3117		45971-3217		45971-3317		45971-3417		45971-3517		
	40	2.282	45971-4117		45971-4217		45971-4317		45971-4417		45971-4517		
	50	2.782	45971-5117		45971-5217		45971-5317		45971-5417		45971-5517		
15	1.032	45971-6117		45971-6217		45971-6317		45971-6417		45971-6517			
A	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 METRIC FOR REF ONLY
	DIM R: HOUSING HEIGHT												
	POSITION	DIM M	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		
	19	1.232	45971-0117		45971-0217		45971-0317		45971-0417		45971-0517		
	10	0.782	45971-1117		45971-1217		45971-1317		45971-1417		45971-1517		
	20	1.282	45971-2117		45971-2217		45971-2317		45971-2417		45971-2517		
	30	1.782	45971-3117		45971-3217		45971-3317		45971-3417		45971-3517		
	40	2.282	45971-4117		45971-4217		45971-4317		45971-4417		45971-4517		
	50	2.782	45971-5117		45971-5217		45971-5317		45971-5417		45971-5517		
15	1.032	45971-6117		45971-6217		45971-6317		45971-6417		45971-6517			
NOTES: 1. THIS SHEET CONTAINS THE FOLLOWING OPTIONS NO OF ROWS: 10 SOLDER CHARGE: TIN / LEAD PACKAGING: TRAYS AND TAPE AND REEL													
SEE SHEET 1 EC NO: UCP2010-2270 DRWN:TGREGORI 2010/03/05 CH'KD:JCOMERC I 2005/05/17 APPR:JCOMERC I 2010/03/05													
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 DATE TGREGORI 2005/05/17 CHECKED BY DATE JCOMERC I 2005/05/17 APPROVED BY DATE JCOMERC I 2010/03/05 MATERIAL NO. SEE CHART													
SCALE 1:1 DESIGN UNITS INCH THIRD ANGLE PROJECTION SEARAY RECEPTACLE ASSEMBLY .050 CENTERS MOLEX INCORPORATED DOCUMENT NO. SD-45971-001 SHEET NO. 8 OF 10													
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
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		6		5		4		3		2		1																											
D	TRAY PACK PK-45971-001	DIM R: (REF)		5.0 MM		6.0 MM		6.5 MM		7.5 MM		8.0 MM		STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY																									
		DIM R: HOUSING HEIGHT																																					
		POSITION		DIM M	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO																										
		19		1.232	45971-0121		45971-0221		45971-0321		45971-0421		45971-0521																										
		10		0.782	45971-1121		45971-1221		45971-1321		45971-1421		45971-1521																										
		20		1.282	45971-2121		45971-2221		45971-2321		45971-2421		45971-2521																										
		30		1.782	45971-3121		45971-3221		45971-3321		45971-3421		45971-3521																										
		40		2.282	45971-4121		45971-4221		45971-4321		45971-4421		45971-4521																										
		50		2.782	45971-5121		45971-5221		45971-5321		45971-5421		45971-5521																										
		15		1.032	45971-6121		45971-6221		45971-6321		45971-6421		45971-6521																										
		25		1.532	45971-7121		45971-7221		45971-7321		45971-7421		45971-7521																										
		35		2.032	45971-8121		45971-8221		45971-8321		45971-8421		45971-8521																										
		45		2.532	45971-9121		45971-9221		45971-9321		45971-9421		45971-9521																										
		C	TRAY PACK PK-45971-002	DIM R: (REF)		5.0 MM		6.0 MM		6.5 MM		7.5 MM			8.0 MM		STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY																						
DIM R: HOUSING HEIGHT																																							
POSITION				DIM M	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO																										
19				1.232	45971-0125		45971-0225		45971-0325		45971-0425		45971-0525																										
10				0.782	45971-1125		45971-1225		45971-1325		45971-1425		45971-1525																										
20				1.282	45971-2125		45971-2225		45971-2325		45971-2425		45971-2525																										
30				1.782	45971-3125		45971-3225		45971-3325		45971-3425		45971-3525																										
40				2.282	45971-4125		45971-4225		45971-4325		45971-4425		45971-4525																										
50				2.782	45971-5125		45971-5225		45971-5325		45971-5425		45971-5525																										
15				1.032	45971-6125		45971-6225		45971-6325		45971-6425		45971-6525																										
25				1.532	45971-7125		45971-7225		45971-7325		45971-7425		45971-7525																										
35				2.032	45971-8125		45971-8225		45971-8325		45971-8425		45971-8525																										
45				2.532	45971-9125		45971-9225		45971-9325		45971-9425		45971-9525																										
B	SEE SHEET 1 EC NO: UCP2010-2270 DRWN: TGREGORI 2010/03/05 CH'KD: JCOMERC I 2005/05/17 APPR: JCOMERC I 2010/03/05			REV	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE INCH ONLY		SCALE 3:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION																										
		4 PLACES	± ---			± ---	DRAWN BY TGREGORI	DATE 2005/05/17	TITLE SEARAY RECEPTACLE ASSEMBLY .050 CENTERS																														
															CHECKED BY JCOMERC I	DATE 2005/05/17																							
							APPROVED BY JCOMERC I	DATE 2010/03/05																															
															ANGULAR ± ---°			MATERIAL NO.		DOCUMENT NO.				SHEET NO.															
							DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								SEE CHART		SD-45971-001				9 OF 10																		
																							SIZE A	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
							tb_frame_A_P_AM_T Rev. E 2006/04/15		5		4		3																					2		1			

		6		5		4		3		2		1									
D	TRAY PACK PK-45971-001	DIM R: (REF)		5.0 MM		6.0 MM		6.5 MM		7.5 MM		8.0 MM		STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY							
		DIM R: HOUSING HEIGHT																			
		POSITION	DIM M	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO									
		19	1.232	45971-0123		45971-0223		45971-0323		45971-0423		45971-0523									
		10	0.782	45971-1123		45971-1223		45971-1323		45971-1423		45971-1523									
		20	1.282	45971-2123		45971-2223		45971-2323		45971-2423		45971-2523									
		30	1.782	45971-3123		45971-3223		45971-3323		45971-3423		45971-3523									
		40	2.282	45971-4123		45971-4223		45971-4323		45971-4423		45971-4523									
		50	2.782	45971-5123		45971-5223		45971-5323		45971-5423		45971-5523									
		15	1.032	45971-6123		45971-6223		45971-6323		45971-6423		45971-6523									
		25	1.532	45971-7123		45971-7223		45971-7323		45971-7423		45971-7523									
		35	2.032	45971-8123		45971-8223		45971-8323		45971-8423		45971-8523									
45	2.532	45971-9123		45971-9223		45971-9323		45971-9423		45971-9523											
C	TRAY PACK PK-45971-002	DIM R: (REF)		5.0 MM		6.0 MM		6.5 MM		7.5 MM		8.0 MM		STACK HEIGHTS GIVEN IN METRIC FOR REF ONLY							
		DIM R: HOUSING HEIGHT																			
		POSITION	DIM M	MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO		MATERIAL NO									
		19	1.232	45971-0127		45971-0227		45971-0327		45971-0427		45971-0527									
		10	0.782	45971-1127		45971-1227		45971-1327		45971-1427		45971-1527									
		20	1.282	45971-2127		45971-2227		45971-2327		45971-2427		45971-2527									
		30	1.782	45971-3127		45971-3227		45971-3327		45971-3427		45971-3527									
		40	2.282	45971-4127		45971-4227		45971-4327		45971-4427		45971-4527									
		50	2.782	45971-5127		45971-5227		45971-5327		45971-5427		45971-5527									
		15	1.032	45971-6127		45971-6227		45971-6327		45971-6427		45971-6527									
		25	1.532	45971-7127		45971-7227		45971-7327		45971-7427		45971-7527									
		35	2.032	45971-8127		45971-8227		45971-8327		45971-8427		45971-8527									
45	2.532	45971-9127		45971-9227		45971-9327		45971-9427		45971-9527											
B	SEE SHEET 1 EC NO: UCP2010-2270 DRWN: TGREGORI 2010/03/05 CHKD: JCOMERC I 2005/05/17 APPR: JCOMERC I 2010/03/05 REV O	GENERAL TOLERANCES (UNLESS SPECIFIED)		mm		INCH		DIMENSION STYLE INCH ONLY		SCALE 1:1		DESIGN UNITS INCH		THIRD ANGLE PROJECTION							
		4 PLACES		± ---		± ---		DRAWN BY TGREGORI		DATE 2005/05/17		SEARAY RECEPTACLE ASSEMBLY .050 CENTERS MOLEX INCORPORATED									
		3 PLACES		± ---		± .005		CHECKED BY JCOMERC I		DATE 2005/05/17											
		2 PLACES		± ---		± ---		APPROVED BY JCOMERC I		DATE 2010/03/05											
		1 PLACE		± ---		± ---		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-45971-001						SHEET NO. 10 OF 10					
		ANGULAR ± ---°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
		NOTES: 1. THIS SHEET CONTAINS THE FOLLOWING OPTIONS NO OF ROWS: 12 SOLDER CHARGE: TIN / LEAD PACKAGING: TRAYS AND TAPE AND REEL																			
		tb_frame_A_P_AM_T Rev. E 2006/04/15																			
				5				4				3				2				1	