

Excellent Integrated System Limited

Stocking Distributor

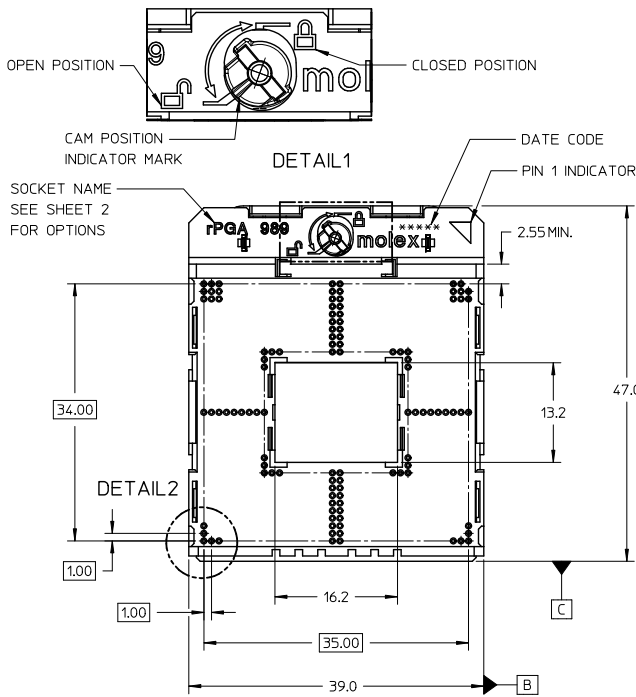
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)
[0479890212](#)

For any questions, you can email us directly:

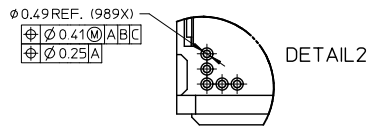
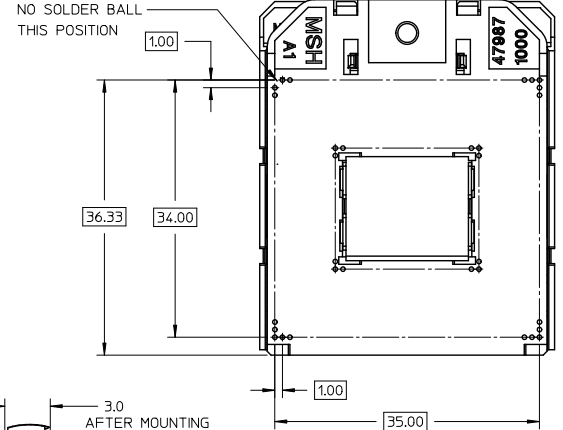
sales@integrated-circuit.com

10 9 8 7 6 5 4 3 2 1



NOTES:

- 1) THIS SOCKET COMPLIES WITH ALL SPECIFICATIONS AND PERFORMANCE REQUIREMENTS FOR INTEL rPGA98X SERIES CPU PROCESSORS.
- 2) SOCKET SHOWN IN OPEN POSITION.
- 3) SEE SHEET 2 FOR DETAILS PERTAINING TO KEYING, MATERIAL AND PACKAGING OPTIONS.
- 4) THIS PRODUCT SERIES COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV DIRECTIVE 2000/53/EC.



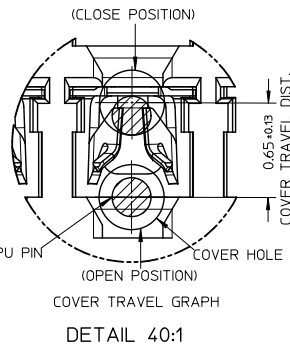
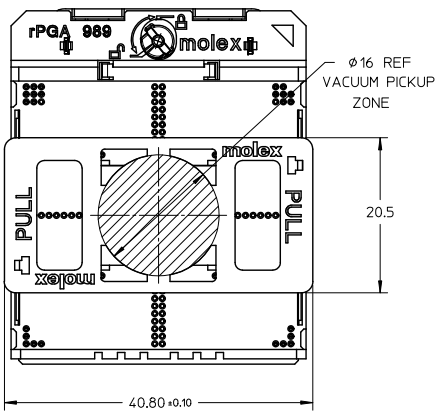
DETAIL3

REVISED	EC NO.	SH	NO.	DATE	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	MATERIAL NO.	DOCUMENT NO.	SHEET NO.
1	0479890212	0076	0076	2010/09/03	DRW:ZYAN	2010/09/06	CHKD:	2010/09/17	APPR:ATIN	2010/09/17	0479890212	SD-47989-001	1 OF 6

QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
4 PLACES ± 0.10	mm	MM ONLY	2:1	METRIC	
3 PLACES ± 0.10	INCH				
2 PLACES ± 0.10					
1 PLACE ± 0.20					
ANGULAR ± 2°					

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
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REMOVEABLE PICK & PLACE CAP



NOTES:

1) MATERIALS:

MOLDED COMPONENTS: LIQUID CRYSTAL POLYMER (LCP) UL 94V-0
BASE HOUSING COLOR: BLACK
COVER COLOR: NATURAL
MYLAR(POLYIMIDE, COLOR:ORANGE) OR PnP COVER(LCP, COLOR: BLACK)
FOR PICK & PLACE.
CONTACTS: HIGH STRENGTH COPPER ALLOY
PLATING: GOLD THICKNESS AS FOLLOWING TABLE 1-3 IN CONTACT AREA,
1.3um NICKEL OVERALL
CAM COMPONENTS: STAINLESS STEEL
SOLDER BALL: LEAD-FREE BALL SnAg3.0Cu0.5

2) DATE CODE

MOLEX INTERNAL USE
WORKING DAY
MONTH
YEAR

3) PRODUCT SPECIFICATION PS-47989-00* APPLIES

4) PACKAGING SPECIFICATION: PK-47989-001 (TAPE & REEL)
PK-47989-002 (HARD TRAY)

REVISED	EC NO.	SH2011-0076	2010/09/03	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		TITLE				
	DRAWN BY	2010/09/06	2010/09/17			MM ONLY			2:1	METRIC									
	CHKD:					DRAWN BY	DATE												
	APPR:ATIN					CHECKED BY	DATE												
	REV					JKACHL IC	2008/05/29												
B	REVISED	EC NO.	SH2011-0076	DATE	2010/09/03	DRAWN BY	2010/09/06	CHKD:	2010/09/17	APPR:ATIN	REV	DESCRIPTION	QUALITY SYMBOLS	4 PLACES	± ---	± ---	DRAWN BY	DATE	RPGA989 SOCKET ASSEMBLY
														3 PLACES	± ---	± ---	CHECKED BY	DATE	
														2 PLACES	± 0.10	± ---	JKACHL IC	2008/05/29	
														1 PLACE	± 0.20	± ---	APPROVED BY	DATE	
														ANGULAR ± 2 °			CL IANG	2008/05/29	
													MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
													SEE TABLE		SD-47989-001		2 OF 6		
													SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

PART NO. OF GF PLATING- TABLE 1

PART NUMBER	PICK UP TYPE		PACKAGE TYPE		PRODUCT SPEC.
	MYLAR	CAP	T&R	HARD TRAY	
47989-0110	◆			◆	PS-47989-002
47989-0120	◆		◆		
47989-0130		◆		◆	
47989-0140		◆	◆		
47989-0210	◆			◆	
47989-0220	◆		◆		
47989-0230		◆		◆	
47989-0240		◆	◆		

PART NO. OF 10u" MIN. GOLD PLATING- TABLE 2

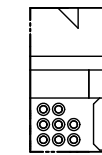
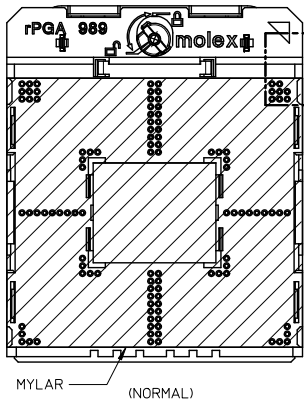
PART NUMBER	PICK UP TYPE		PACKAGE TYPE		PRODUCT SPEC.
	MYLAR	CAP	T&R	HARD TRAY	
47989-0111	◆			◆	PS-47989-003
47989-0121	◆		◆		
47989-0131		◆		◆	
47989-0141		◆	◆		
47989-0211	◆			◆	
47989-0221	◆		◆		
47989-0231		◆		◆	
47989-0241		◆	◆		

PART NO. OF 15u" MIN. GOLD PLATING- TABLE 3

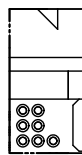
PART NUMBER	PICK UP TYPE		PACKAGE TYPE		PRODUCT SPEC.
	MYLAR	CAP	T&R	HARD TRAY	
47989-0112	◆			◆	PS-47989-001
47989-0122	◆		◆		
47989-0132		◆		◆	
47989-0142		◆	◆		
47989-0212	◆			◆	
47989-0222	◆		◆		
47989-0232		◆		◆	
47989-0242		◆	◆		

SOCKET KEYING OPTIONS

MYLAR PICK & PLACE OPTION



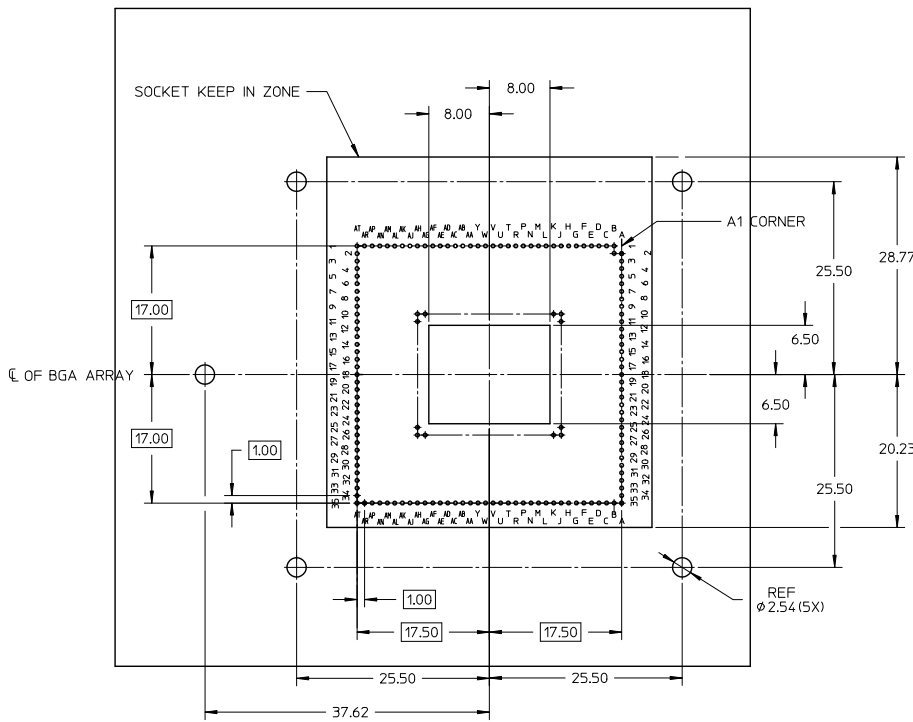
rPGA989
47989-01**



rPGA988A
47989-02**

REVISED EC NO: SH2011-0076 DRAWN:ZYAN CHKD: APPR:AYIN	2010/09/03	2010/09/06	2010/09/17	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
	B	REV	 =0			4 PLACES ± ---	± ---	DRAWN BY QWFANG	DATE 2008/04/25	TITLE RPGA989 SOCKET ASSEMBLY			
			 =0			3 PLACES ± ---	± ---	CHECKED BY JKACHLIC	DATE 2008/05/29				
			 =0			2 PLACES ± 0.10	± ---	APPROVED BY CL IANG	DATE 2008/05/29				
			 =0			1 PLACE ± 0.20	± ---	MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-47989-001				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
	ANGULAR ± 2 °					MOLEX INCORPORATED		SHEET NO. 3 OF 6					

10 9 8 7 6 5 4 3 2 1

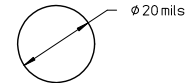


MOTHERBOARD KEEP IN ZONE (KIZ)
(FOR NORMAL)

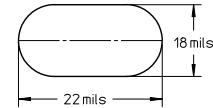
NOTES:

shape pada of PCB are recommended

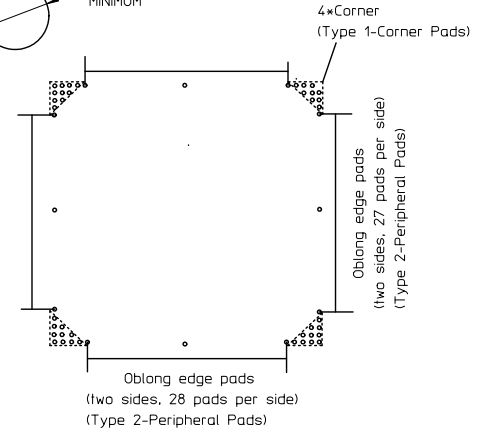
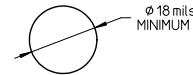
TYPE1-Corner Pads



TYPE2-Peripheral Pads(Oblong-shape pada are recommended)



TYPE3-All Other Location Except for those of Type1 and Type2 Locations)



REVISED EC NO. SH2011-0076 DRAWN:ZYAN CHKD: APPR:AYIN 2010/09/03 2010/09/06 2010/09/17	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY	DATE	TITLE RPGA989 SOCKET ASSEMBLY					
			4 PLACES	± ---	± ---	QWFANG	2008/04/25						
			3 PLACES	± ---	± ---	CHECKED BY	DATE	MOLEX INCORPORATED					
			2 PLACES	± 0.10	± ---	JKACHL I C	2008/05/29						
			1 PLACE	± 0.20	± ---	APPROVED BY	DATE					MOLEX INCORPORATED	
			ANGULAR ± 2 °		CL IANG	2008/05/29							
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE		DOCUMENT NO. SD-47989-001		SHEET NO. 4 OF 6			
			REV	REV	SIZE A3	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

PART NO. OF GF PLATING- TABLE 1

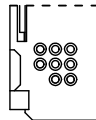
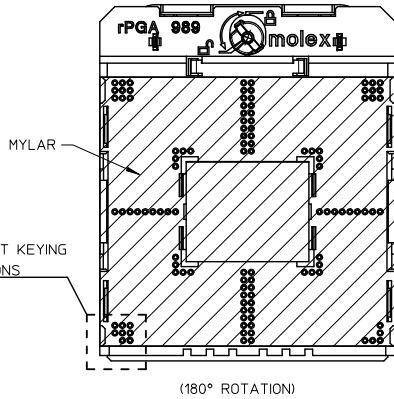
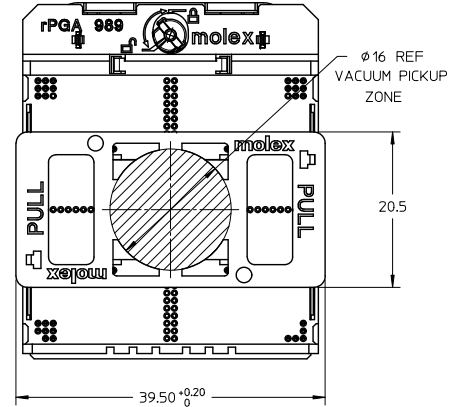
PART NUMBER	PICK UP TYPE		PACKAGE TYPE		PRODUCT SPEC.
	MYLAR	CAP	T&R	HARD TRAY	
47989-9110	◆			◆	PS-47989-002
47989-9120	◆		◆		
47989-9130		◆		◆	
47989-9140		◆	◆		
47989-9210	◆			◆	
47989-9220	◆		◆		
47989-9230		◆		◆	
47989-9240		◆	◆		

PART NO. OF 10u" MIN. GOLD PLATING- TABLE 2

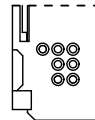
PART NUMBER	PICK UP TYPE		PACKAGE TYPE		PRODUCT SPEC.
	MYLAR	CAP	T&R	HARD TRAY	
47989-9111	◆			◆	PS-47989-003
47989-9121	◆		◆		
47989-9131		◆		◆	
47989-9141		◆	◆		
47989-9211	◆			◆	
47989-9221	◆		◆		
47989-9231		◆		◆	
47989-9241		◆	◆		

PART NO. OF 15u" MIN. GOLD PLATING- TABLE 3

PART NUMBER	PICK UP TYPE		PACKAGE TYPE		PRODUCT SPEC.
	MYLAR	CAP	T&R	HARD TRAY	
47989-9112	◆			◆	PS-47989-001
47989-9122	◆		◆		
47989-9132		◆		◆	
47989-9142		◆	◆		
47989-9212	◆			◆	
47989-9222	◆		◆		
47989-9232		◆		◆	
47989-9242		◆	◆		



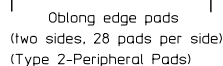
rPGA989
47989-91**



rPGA988A
47989-92**

REVISED	EC NO.	SH2011-0076	DRAWN BY	DATE	CHECKED BY	DATE	APPROVED BY	DATE	MATERIAL NO.	DOCUMENT NO.	SHEET NO.
B			CHKO:	2010/09/06			APPR: ATN	2010/09/17			
QUALITY SYMBOLS											
GENERAL TOLERANCES (UNLESS SPECIFIED)											
4 PLACES ± --- ± ---											
3 PLACES ± --- ± ---											
2 PLACES ± 0.10 ± ---											
1 PLACE ± 0.20 ± ---											
ANGULAR ± 2 °											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS											
DIMENSION STYLE MM ONLY											
SCALE 2:1											
DESIGN UNITS METRIC											
THIRD ANGLE PROJECTION											
DRAWN BY QWFANG DATE 2008/04/25											
CHECKED BY JKACHLIC DATE 2008/05/29											
APPROVED BY CL IANG DATE 2008/05/29											
TITLE RPGA989 SOCKET ASSEMBLY											
MOLEX INCORPORATED											
SEE TABLE											
SD-47989-001											
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