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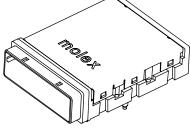
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Jameco Part Number 1977358

0.80mm (.031") Pitch iPass™ Wire-to-Board Integrated Connector Assembly

75581

Compliant Pin, Right Angle X16 PCIe



Features and Benefits

- Integrated press-fit connector assembly with cage provides one-step placement to PCB
- Four integral screw mount hold downs applied from the bottom of the PCB provide optimal retention of the die cast assembly to the PCB without taking up additional real estate
- Low profile height (13.13mm) fits standard and low profile PCIe add-in cards
- Two robust guide pins located on each side help to align assembly to PCB
- Front elastomeric gasket provides improved EMI protection to face plate
- Eight ground pad alleys are located at the rear of the die cast assembly to provide ease of routing off top layers of PCB

Reference Information

Product Specification: PS-75586-001 Packaging: Tray Mates With: 74546 Designed In: Millimeters

Electrical

Voltage: 30V Current: 0.5A Dielectric Withstanding Voltage: 500V AC Insulation Resistance: 1000 Megohms min.

Mechanical

Mating Force: 2.36N per circuit Unmating Force: 0.15N per circuit Normal Force: 0.49N min. Durability: 250 Cycles

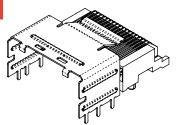
Physical

Housing: Black glass-filled high-temperature thermoplastic, UL 94V-0 Contact: Copper Alloy Plating: Contact Area—Gold Solder Tail Area—Tin Underplating—Nickel PCB Thickness: .070" min. Operating Temperature: -40 to +85°C

Circuits	Order No.	Plating	Lead-free
136	<u>75581-0001</u>	0.38 (15µ") Gold	RoHs compliant by
130	<u>75581-0002</u>	0.76 (30µ") Gold	exemption

0.80mm (.031") Pitch iPass™ Wire-to-Board Host Connector/Shell Kit 75783

Right Angle



Features and Benefits

- SMT host connector is packaged with right angle shell for one-step placement to the PCB
- Pre-positioning device aligns the connector to the shell and acts as disposable cap for robotic placement to PCB
- Four keying options prevent mismating
- Retention-fit, through hole and SMT shell configurations provide processing flexibility
- Multiple solder tail lengths accommodate PCB thickness from 1.57 to 3.56mm
- Tape-and-reel packaging for robotic placement to PCB

Reference Information

Product Specification: PS-75783-001 Packaging: Tape and reel Mates With: 79536, 79576 and 74562 Designed In: Millimeters

Electrical

Voltage: 30V Current: 0.5A max. Contact Resistance: 30 milliohms max. Dielectric Withstanding Voltage: 500V AC Insulation Resistance: 1000 Megohms min.

Mechanical

Contact Retention to Housing: 4.5N min. per circuit Insertion Force to PCB: 25N max. Mating Force: 2.36N per circuit Unmating Force: 0.15N per circuit Normal Force: 0.49N min. Durability: 25 cycles

Physical

Housing: Black glass-filled high-temperature thermoplastic, UL 94V-0 Contact: Copper Alloy Plating: Contact Area—0.38μm (15μ") and 0.76μm (30μ") Gold Solder Tail Area—Tin Underplating—Nickel Operating Temperature: -40 to +85°C

Circuits	Order No.	Shell PCB	PC Tail Length	Shell Key	Lead-free			
	<u>75783-0025</u>	Retention-fit						
26	<u>75783-0032</u>	Through Hole	1.57mm					
	75783-0026 SMT]						
	<u>75783-0125</u>	Retention-fit	1.57mm					
	<u>75783-0132</u>	Through Hole	1.57mm					
36	<u>75783-0140</u>	Through Hole	2.79mm					
30	<u>75783-0148</u>	Through Hole	3.18mm					
	<u>75783-0156</u>	Through Hole	3.56mm	Universal	Yes			
	<u>75783-0126</u>	SMT	3.56mm					
50	<u>75783-0225</u>	Retention-fit						
	<u>75783-0232</u>	Through Hole	1.57mm					
	<u>75783-0226</u>	SMT						
	<u>75783-0325</u>	Retention-fit						
68	<u>75783-0332</u>	Through Hole	1.57mm					
	75783-0326	SMT						

Note: See Sales Drawing for 0.76µm (30µ") ordering information



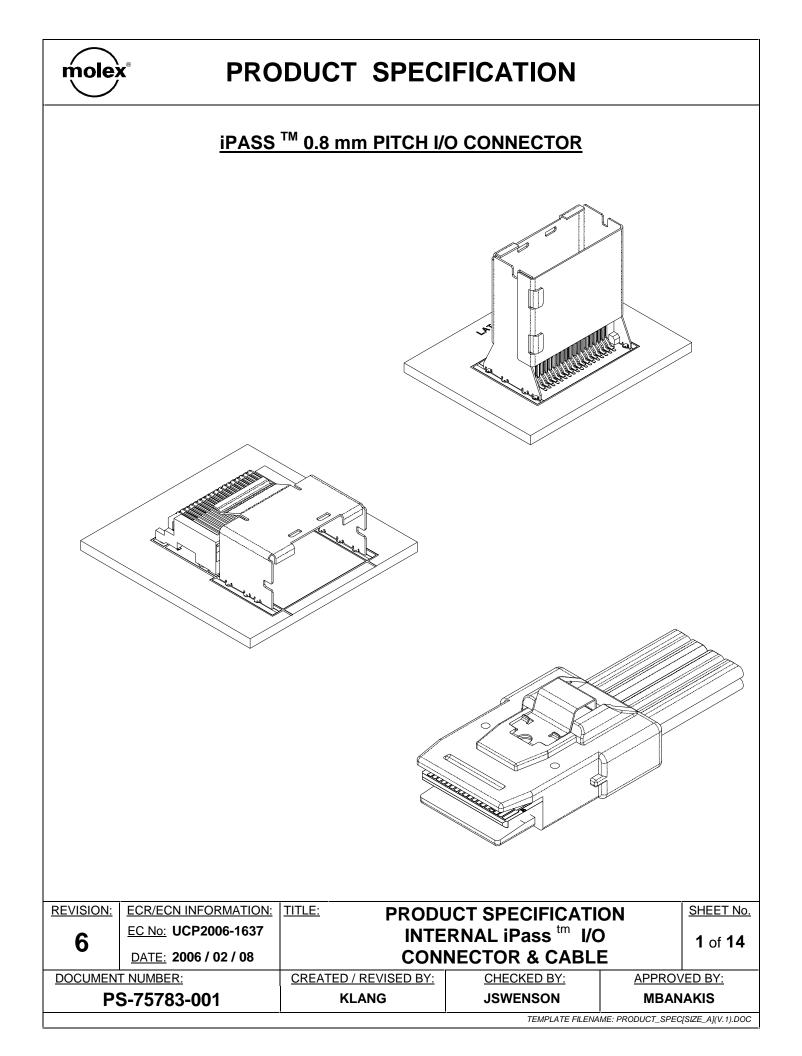




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1.0 SCOPE

This Product Specification covers this 0.8 mm centerline (pitch) printed circuit board (PCB) connector series and cable assemblies.

2.0 PRODUCT DESCRIPTION

2.1 PRODUCT NAME AND SERIES NUMBER(S)

Product Name: Connector & Shell Series: Plug & Cable Series: IPass tm Connector Family 75783 / 75784 74562 / 74563 / 79536 / 79575 / 79576

2.2 DIMENSION, MATERIALS, PLATING AND MARKINGS

See the appropriate sales drawing for information on dimensions, materials, plating, marking, and footprint patterns.

2.3 SAFETY AGENCY APPROVALS

UL file:	E29179 (Recognition Pending)
CSA file:	310648 (Recognition Pending)

2.4 PIN ASSIGNMENTS

Pin assignment may vary depending on the cable assembly configuration. Different configurations will have different part numbers within the series. Reference the appropriate cable sales drawing of the specific part number for the correct pin assignment.

2.5 ADDITIONAL GENERAL SPECIFICATIONS

Plug PCB:

- Material is FR4
- Overall thickness of 1mm over pads
- Contacts are 0.38µm minimum hard gold plated over 1.27µm minimum thick nickel plating

Plug Over-mold:

- Glass reinforced thermoplastic
- Color is black

Bulk Cable:

- Polyolefin inner dielectric
- Aluminized polyester foil outer jacket
- Single wire for side band application (30AWG stranded)

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3.0 APPLICABLE DOCUMENTS AND SPECIFICATIONS

3.1 MOLEX DOCUMENTS

AS-75586-001	Application Specification
PK-75783-001	Packaging Specification
SD-75783-001	iPass [™] Right Angle with Shell
SD-75784-001	iPass™ Vertical with Shell
SMES-152	Solderability

3.2 INDUSTRY DOCUMENTS

EIA 364 Series	Electrical Connector Test Procedures Including Environmental Classifications
	with Test Procedures
EIA 364-1000	Environmental Test Methodology for Assessing the Performance of
	Connectors and Sockets Used in Business Office Applications

4.0 QUALIFICATION

Laboratory condition and sample selection are in accordance with EIA 364

5.0 RATINGS

5.1 VOLTAGE 30 Volts AC (RMS)/DC Max.

5.2 CURRENT

0.5 Amps Max.

5.3 TEMPERATURE

Operating:	-40°C to +80°C
Non-operating (connector):	-55°C to +85°C
Non-operating (cable):	-55°C to +80°C

5.4 DURABILITY

25 cycles

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6.0 PERFORMANCE

6.1 ELECTRICAL REQUIREMENTS (CONNECTOR AND CABLE SYSTEM)

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
1	Bulk Resistance (Low Level)	Mate connectors: apply a maximum voltage of 20 mV and a current of 100 mA.	30 milliohms MAXIMUM [initial]
2	Insulation Resistance	Unmate & unmount connectors: apply a voltage of 500 VDC between adjacent terminals and between terminals to ground.	1000 Megohms MINIMUM
3	Dielectric Withstanding Voltage	Unmate connectors: apply a voltage of 500 VAC for 1 minute between adjacent terminals and between terminals to ground.	No breakdown; current leakage < 5 mA
4	Capacitance	Measure between adjacent terminals at 1 MHz.	2.0 picofarads MAXIMUM
5	Inductance		8.0 nanohenry MAXIMUM
6	Temperature Rise (via Current Cycling)	Mate connectors: measure the temperature rise at the rated current after 96 hours (45 minutes ON and 15 minutes OFF per hour). Testing as required	Temperature rise: +30 °C MAXIMUM

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6.2 SIGNAL INTEGRITY REQUIREMENTS (CONNECTOR ONLY)

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
1	Return Loss	Frequency range 50MHz to 7.5GHz Frequency range 7.5GHz to 15GHz • 2.5dB at 15GHz	-10 dB -10 - 25log₁₀(ƒ / 7.5GHz) dB
2	Differential Impedance	Rise-time of 25ps (20-80%)	100 ± 10 ohms
3	Insertion Loss	Frequency range 50 MHz to 10 GHz	0.13 dB at 1.25 GHz 0.25 dB at 2.50 GHz 0.50 dB at 5.00 GHz
4	Propagation Delay	Frequency range 1GHz to 15 GHz	≤ 60 ps
5	Crosstalk	 NEXT, FEXT for adjacent pairs within a row NEXT, FEXT for adjacent pairs across rows *Measured at 25ps 20-80% rise-time PCIe application specific RMS sum √ [Tx_NEXT² + 2*(Rx_FEXT)²] *FEXT is measured at 45ps 20-80% rise-time 	≤ 2 % ≤ 2 % ≤ 5 %
6	Isolation	Frequency range 50MHz to 15GHz Measure near-end and far-end isolation - Adjacent pairs within a row - Adjacent pairs across rows	-30 dB
7	Differential Skew (Within Pair)	Mate plug to receptacle	<1 ps
8	Data Rate	Mate plug to receptacle, including launches	Average: 10 Gbps

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6.3 SIGNAL INTEGRITY REQUIREMENTS (CONNECTOR AND CABLE SYSTEM)

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
1	Differential Impedance	Rise-time of 70ps (20-80%)	100 ± 10 ohms (cable) 100 ± 15 ohms (mated cable) 5 ohms MAX imbalance
2	Common-mode Impedance	Rise-time of 70ps (20-80%)	32.5 ± 7.5 ohms (cable)
3	Intra-pair skew	Rise-time of 70ps (20-80%)	≤ 10 ps
4	Rise Time Degradation	Rise-time of 35ps (20-80%)	≤ 85 ps
5	Inter-symbol Interference	Using SATA lone-bit pattern (0011 0110 1111 0100 0010) at 3.0 Gbps	≤ 50 ps
6	Differential Insertion Loss	Measured from 10MHz to 4.5GHz	≤ 6 dB
7	Crosstalk	- Measured from 10 MHz to 4.5 GHz - (4) near-end aggressor pairs and (1) victim pair - TotalNEXT(f) = 10 × log $\sum_{1}^{4} 10^{\langle \text{NEXT}(f)/10 \rangle}$	≤ -26 dB

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6.4 MECHANICAL REQUIREMENTS (CONNECTOR AND SHELL ONLY)

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
1	Connector Mate & Un-mate Forces (Paddle card only, 36 ckt)	Mate and un-mate connector (male to female) at a rate of 25 mm (1 inch) per min.	85 N MAX insertion force & 17 N MAX withdrawal force
2	Terminal Retention Force	Axial pullout force on the terminal in the housing at a rate of 25 mm (1 in) per min.	4.5 N MINIMUM retention force
3	Normal Force	Apply a perpendicular force.	0.49 N, (50 grams) MINIMUM normal force
4	Longitudinal Load (68 ckt)	Mate connector and load module with longitudinal load (sheer & peel)	Peel: 15 N MINIMUM Sheer: 150 N MINIMUM
5	Shell Retention (Side)	Mate plug to connector and load cable toward the side. See section 9.	30 N MINIMUM
6	Shell Retention (Toward latch)	Mate plug to connector and load cable toward the latch. See section 9.	30 N MINIMUM

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6.5 MECHANICAL REQUIREMENTS (CONNECTOR AND CABLE SYSTEM)

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
1	Durability	Mate connectors up to 25 cycles at a maximum rate of 10 cycles per minute. Test per EIA 364-09	10 milliohms MAXIMUM (change from initial) No Visual Damage
2	Durability (Pre-conditioning)	Mate connectors 5 cycles at a maximum rate of 10 cycles per minute. Test per EIA 364-09	No physical damage
3	Vibration (Random)	Mate connectors and vibrate per EIA 364-28, test condition VII.	10 milliohms MAXIMUM (change from initial) & Discontinuity < 1 microsecond
4	Reseating	Mate connectors 5 cycles at a maximum rate of 10 cycles per minute. Test per EIA 364-09	No physical damage
5	Plug Mate & Un-mate Forces (Active Latch, 36 ckt)	Mate and un-mate connector (male to female) at a rate of 25 mm per min.	85 N MAX mating force & 17 N MAX un-mating force
6	Plug Mate & Un-mate Forces (Passive Latch, 36ckt)	Mate and un-mate connector (male to female) at a rate of 25 mm per min.	85 N MAX mating force & 17 N MAX un-mating force
7	Cable Pullout Force (Axial)	Mate plug to connector and apply an axial pullout force on the wire at a rate of 25 mm per min.	50 N MINIMUM
8	Cable Pullout Force (Right Angle)	Mate plug to connector and apply an right angle pullout force on the wire at a rate of 25 mm per min.	30 N MINIMUM
9	Wire Flex	Flex cable 180° for 20 cycles. Test per EIA 264-41 with X=2.5 inches.	10 milliohms MAXIMUM (change from initial) No physical damage
10	Latitudinal Load (36 ckt)	Mate connector and load plug with latitudinal load until open circuit	30 N MINIMUM
11	Longitudinal Load (36 ckt)	Mate connector and load plug with longitudinal load until open circuit	30 N MINIMUM

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6.6 ENVIRONMENTAL REQUIREMENTS (CONNECTOR AND CABLE SYSTEM)

ITEM	DESCRIPTION	TEST CONDITION	REQUIREMENT
1	Shock (Thermal)	Per EIA 364-32 Test Condition 1 (10 cycles with the exception of exposure times)	10 milliohms MAXIMUM (change from initial)
2	Thermal Aging	Mate connectors: expose to 1500 hours at 90°±2°C. Test per EIA-364-17, Method A, Test Condition 3	10 milliohms MAXIMUM (change from initial)
3	Thermal Aging (Pre-conditioning)	Mate connectors: expose to 500 hours at 90°±2°C. Test per EIA-364-17, Method A, Test Condition 3.	10 milliohms MAXIMUM (change from initial)
4	Humidity (Cyclic)	Cycle connectors between $25 \circ \pm 3 \circ C$ at 80% RH and $65 \circ \pm 3 \circ C$ at 50% RH (10 cycles). Ramp times should be 0.5 hour and dwell should be 1.0 hour per EIA 364-31.	10 milliohms MAXIMUM (change from initial)
5	Solderability	Per SMES-152	Solder Coverage: 95% MINIMUM
6	SMT Process Compatibility (Pb Free)	See Section 10.0 for Molex Connector Only Test Profile	Dimensional: Conformance to Sales Drawing Requirements Visual No Damage

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7.0 TEST SEQUENCES/GROUPS

7.1 EIA TEST SEQUENCE

	Eia-364-1000.01 Test Sequences			
Test Description	1	2	3	7
LLCR or Contact Resistance (6.1.1)	1, 4, 6	1, 4, 6, 8	1,4,6	2,4
Dielectric Withstanding Voltage (6.1.3)				1,5
Durability (6.5.1)				3
Durability (pre-conditioning) (6.5.2)	2	2	2	
Mechanical Vibration (6.5.3)			5	
Thermal Shock (6.6.1)		3		
Temperature Life (6.6.2)	3			
Temperature Life (pre-conditioning) (6.6.3)			3	
Cyclic Humidity (6.6.4)		5		
Reseating (6.5.4)	5	7		
Number of Samples	TBD	TBD	TBD	TBD
Number of Defects Permitted	0			

7.2 ADDITIONAL TEST SEQUENCES

	Additional Test Sequences					
Test Description	1	2	3	4	5	6
Temperature Rise (6.1.6)	1					
Mating Force (6.4.1)		1				
Un-mating Force (6.4.1)		2				
Normal Force (6.4.3)			1			
Terminal Retention (6.4.2)			2			
Plug Mating Force – Active Latch (6.5.5)		3				
Plug Un-mating Force – Active Latch (6.5.5)		4				
Plug Mating Force – Passive Latch (6.5.6)		5				
Plug Un-mating Force–Passive Latch (6.5.6)		6				
Cable Pullout Force (Axial) (6.5.7)					3	
Cable Pullout Force (Right Angle) (6.5.8)					4	
Wire Flex (6.5.9)						1
Latitudinal Load (6.5.10)					1	
Longitudinal Load (6.5.11)					2	
Shell Retention – Side (6.4.5)				1		
Shell Retention – Toward Latch (6.4.6)				2		
Number of Samples	TBD	TBD	TBD	TBD	TBD	TBD
Number of Defects Permitted	0	0	0	0	0	0

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7.3 HIGH SPEED TEST SEQUENCES

	High Speed Test Sequences						
Test Description	1	2	3	4	5	6	
Impedance (6.2.2)	1						
Bandwidth (6.2.8)	2						
Cross-talk (6.2.5)		1					
Skew – within pair (6.2.7)			2				
Propagation Delay (6.2.4)			3				
Insertion Loss / Return Loss (6.2.1., 6.2.3)		2					
Isolation (6.2.6)			1				
Differential Characteristic Impedance (6.3.1)				1			
Common Characteristic Impedance (6.3.2)				2			
Differential Insertion Loss (6.3.3)					2		
Intra-pair skew (6.3.4)						1	
Crosstalk: NEXT (6.3.5)					1		
Rise Time Degradation (6.3.6)						2	
Number of Samples	TBD	TBD	TBD	TBD	TBD	TBD	
Number of Defects Permitted	0	0	0	0	0	0	

8.0 PACKAGING

8.1 CONNECTOR AND SHELL

- 8.1.1 Product shall be packaged in tape and reel per the packaging specification as called out on the applicable assembly print.
- 8.1.2 Packaging shall meet the requirements of and be tested per the packaging specification as called out on the applicable assembly print.

8.2 PLUG AND CABLE ASSEMBLY

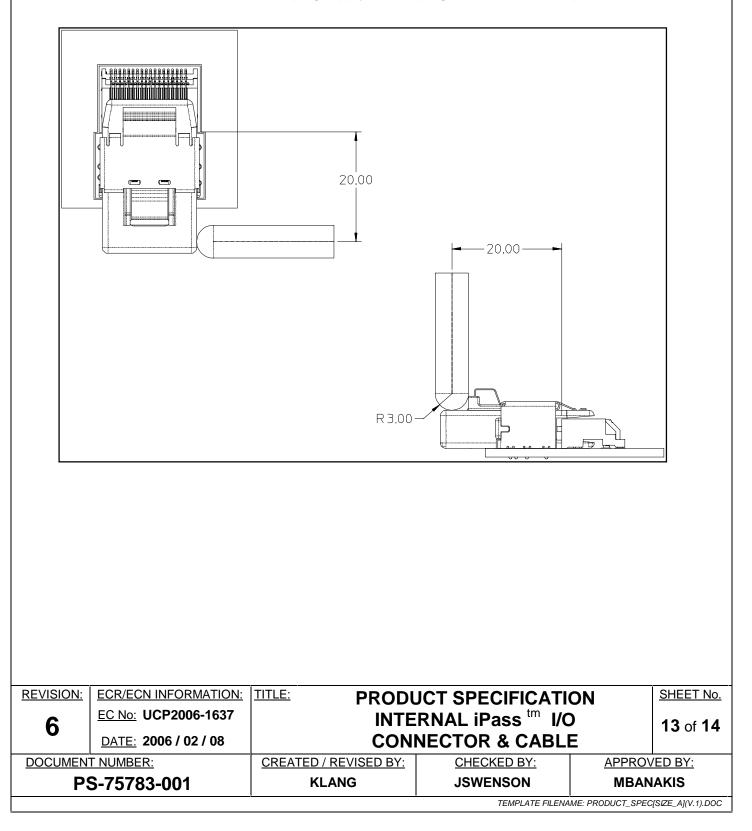
8.2.1 Product shall be packaged to protect against damage during handling, transit and storage.

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9.0 GAGES AND FIXTURES

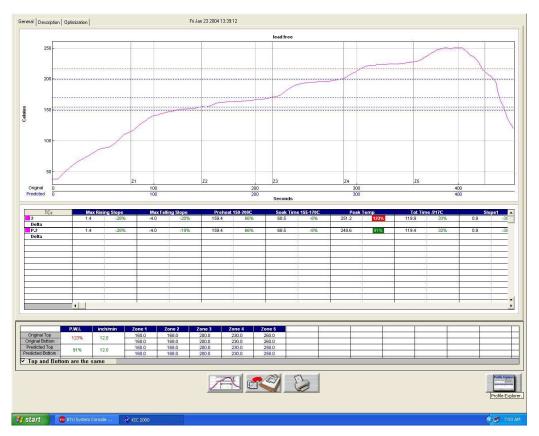
Test setup for latitudinal and longitudinal load testing and shell retention testing. Probe is about 6mm in diameter with a full radius nose. The probe is to be placed 20mm from the front edge of the receptacle and located at the centerline of the plug. Apply load to plug at a rate of 25mm per minute.





10.0 OTHER INFORMATION

10.1 MOLEX CONNECTOR ONLY TEST PROFILE



SMT Profile

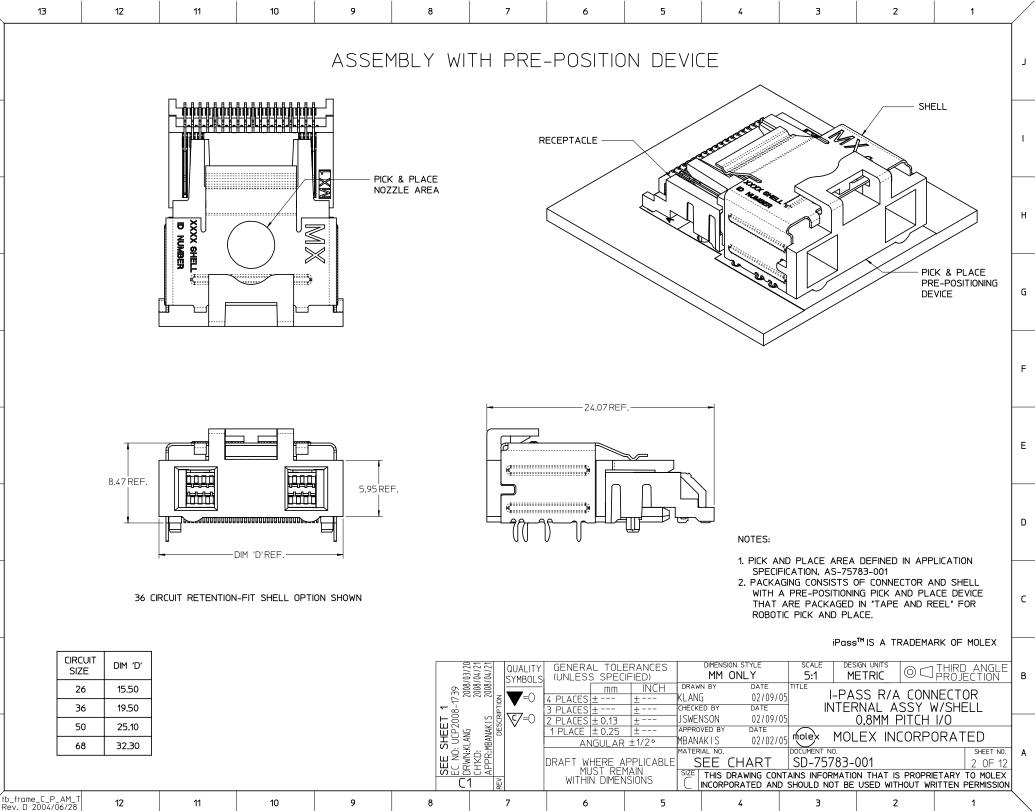
Ramp-Up: Preheat Temperature: Time maintained above: Peak Temperature: Time within 5° C of actual Peak Temperature: Ramp-Down: Cycle Duration, 25° C to Peak Temperature: Average Rate of 3° C/second max 150° C min. to 200° C max. for 60-180 seconds 217° C for 60-120 seconds 250° C 20-40 seconds Average Rate of 6° C/second max 8 minutes maximum

10.2 INVERTED SMT APPLICATION

See AS-75586-001 Application Specification for inverted SMT application. Glue must be used on the locating pegs to hold the part while inverted through the reflow process.

REVISION:	ECR/ECN INFORMATION:	TITLE: PRODI	JCT SPECIFICATI	ON	SHEET No.
6	EC No: UCP2006-1637	INTE	RNAL iPass tm I/C)	14 of 14
0	<u>DATE:</u> 2006 / 02 / 08	CON	NECTOR & CABL	E	14014
DOCUMEN [®]	T NUMBER:	CREATED / REVISED BY:	CHECKED BY:	<u>APPRO\</u>	/ED BY:
P	S-75783-001	KLANG	JSWENSON	MBAN	IAKIS
			TEMPLATE FILENA	ME: PRODUCT_SPEC	SIZE_A](V.1).DOC

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L								NOTES: 1. MATERIAL CONNEC	TOR:		אסו אפדור הו אפפ	FILLED, UL 94V-1		J
1					MOLD CAVIT FOR REFER			TERMIN SHELL SILVEF 2. FINISH: CONNEC OPTION	NALS - COPPER . R NICKEL, C770, 1 CTOR	ALLOY "HICKNESS: 0.250	/0.254		, DLACK	I
Н								SOLD OPTION CONT SOLD 3. TERMINAL FRONT F	ER FOOT AREA	- 2.54-5.094m TIN 64m MIN GOLD OV - 2.54-5.094m TIN TO BE COPLANA DFF (DATUM C)	N OVER 2.54 Hm YER 2.54 Hm NICK N OVER 2.54 Hm R WITHIN 0.10 ME	NICKEL KEL NICKEL EASURED FROM		н
G								LOCATIO 6. TO BE U 79575/7 7. PACKAGE 8. CONFORM 9. PROCESS	DENTIFIER: SEE / N OF PIN 1. ISED WITH THE F 4563/79576/7457 ED PER PACKAGIN 1S TO PRODUCT S S PER APPLICATIO	OLLOWING CABLE 3/79536/74562/7 NG SPECIFICATION SPECIFICATION: P: DN SPECIFICATION	SERIES: 4569/74586 4: PK-75783-001 S-75783-001 4: AS-75783-001			G
F			— DIM 'C' — — — — — — — — — — — — — — — — — —	1				10. THIS PA	NRT CONFORMS TO	D CLASS C REQU	IREMENTS OF CO	DSMETIC SPEC PS	-45499-002	F
E					8.47 REF.									E
D	C SEE NOTE	3	— DIM 'A' ——— — DIM 'B' ———				5.72	5.35 REF.	-					D
с		36 CIRCI RETENTIO SHELL OPTIO	ON FIT											с
В	SIZE	DIM 'A' DIM 'B' 12.00 13.80	DIM 'C' 11.80			0 GEO. 11739 2008/03120	0UALITY SYMBOLS NOT SYMBOLS	GENERAL TOL (UNLESS SPEC 4 PLACES +	CIFIED) INCH DRAW ± KLAN			SS™IS A TRADEMA SSIGN UNITS METRIC ©⊂ ASS R/A CON RNAL ASSY U	THIRD ANGLE PROJECTION	В
A	36 50	16.00 17.80 21.60 23.40 28.80 30.60	15.80 21.40 28.60					3 PLACES ± 2 PLACES ± 0.13 1 PLACE ± 0.25 ANGULAF DRAFT WHERE 4 MUST RE WITHIN DIMET	± JSWE ± APPRC ± APPRC R ±1/2° MBAN MATER SIZE MAIN SIZE	NSON 02/09 IVED BY DATE AK I S 02/02 ITAL NO. DEE CHART THIS DRAWING CO	105 105 105 100 100 100 100 100	0.8MM PITCH	I/O ORATED SHEET NO. 1 OF 12 IETARY TO MOLEX	-
tb Re	_frame_C_P_AM_T 2v. D 2004/06/28	12	11	10	9	8	7	6	5	4	3	2	1	$\overline{}$



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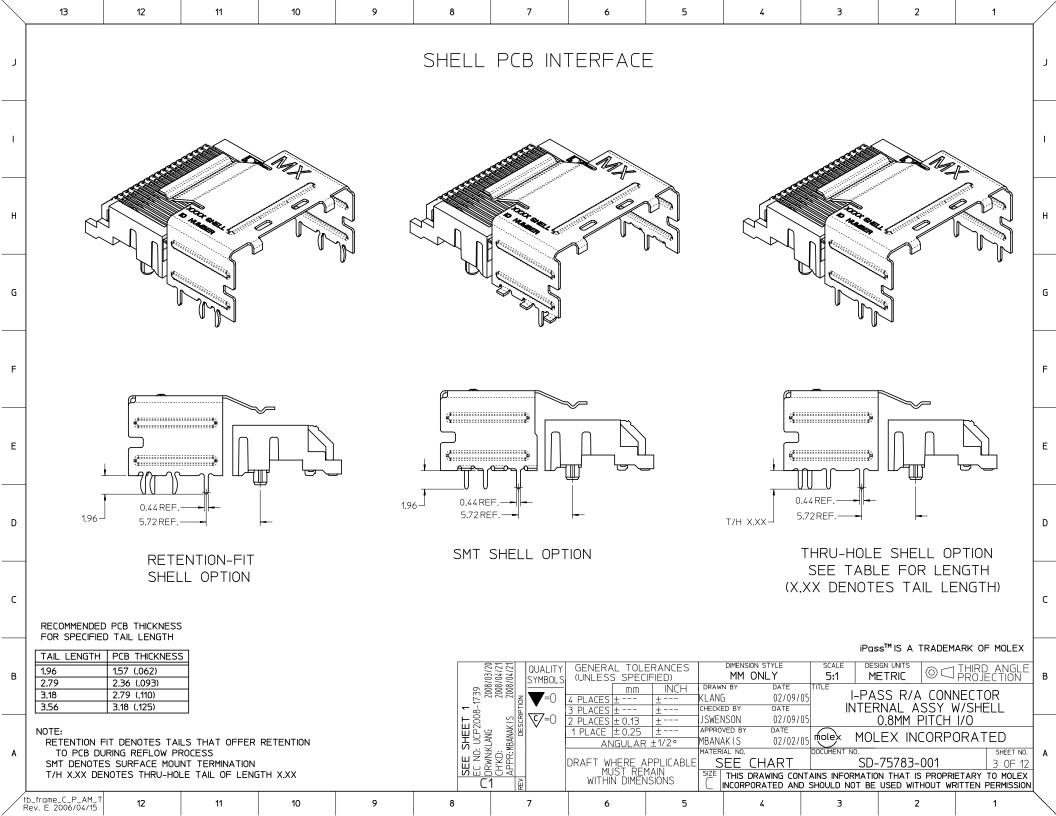
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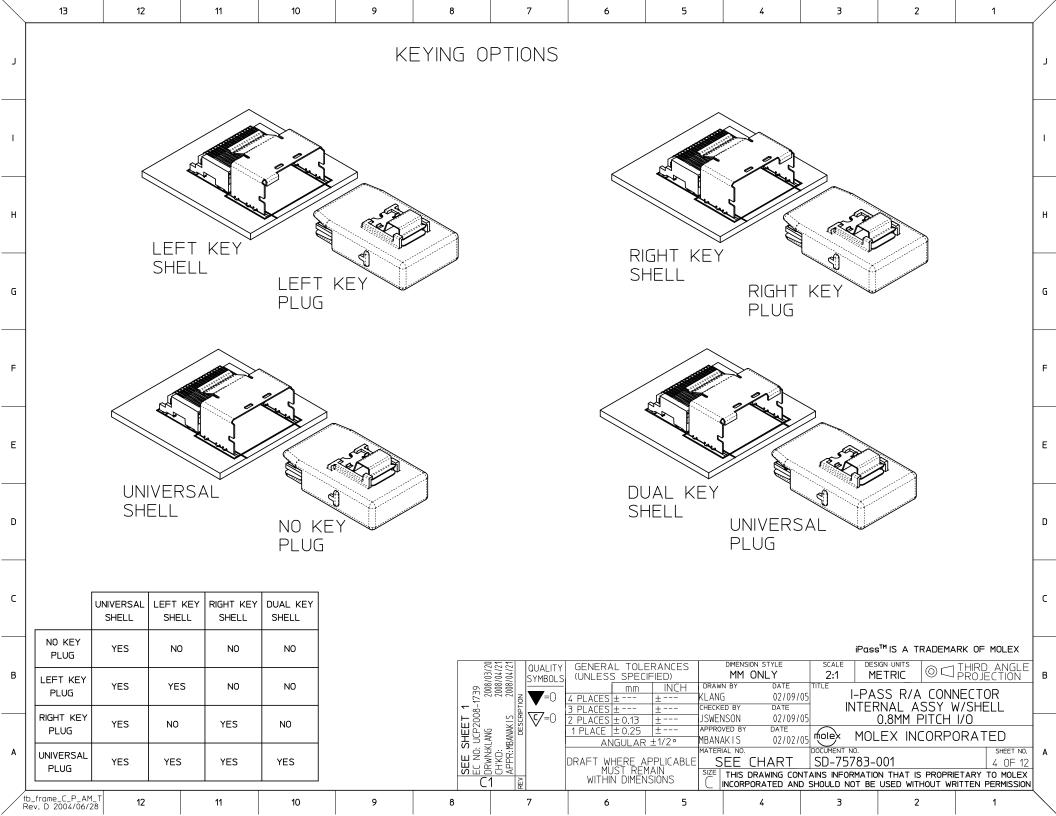
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26 CIRCUIT ITEM NUMBERS

CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
26	75783-0007	OPTION 1	RETENTION	LEFT
26	75783-0008	OPTION 1	RETENTION	RIGHT
26	75783-0009	OPTION 1	RETENTION	DUAL
26	75783-0010	OPTION 1	SMT	LEFT
26	75783-0011	OPTION 1	SMT	RIGHT
26	75783-0012	OPTION 1	SMT	DUAL
26	75783-0019	OPTION 2	RETENTION	LEFT
26	75783-0020	OPTION 2	RETENTION	RIGHT
26	75783-0021	OPTION 2	RETENTION	DUAL
26	75783-0022	OPTION 2	SMT	LEFT
26	75783-0023	OPTION 2	SMT	RIGHT
26	75783-0024	OPTION 2	SMT	DUAL
26	75783-0025	OPTION 1	RETENTION	UNIVERSAL
26	75783-0026	OPTION 1	SMT	UNIVERSAL
26	75783-0027	OPTION 2	RETENTION	UNIVERSAL
26	75783-0028	OPTION 2	SMT	UNIVERSAL
26	75783-0029	OPTION 1	T/H 1.96	LEFT
26	75783-0030	OPTION 1	T/H 1.96	RIGHT
26	75783-0031	OPTION 1	T/H 1.96	DUAL
26	75783-0032	OPTION 1	T/H 1.96	UNIVERSAL
26	75783-0033	OPTION 2	T/H 1.96	LEFT
26	75783-0034	OPTION 2	T/H 1.96	RIGHT
26	75783-0035	OPTION 2	T/H 1.96	DUAL
26	75783-0036	OPTION 2	T/H 1.96	UNIVERSAL

CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
26	75783-0037	OPTION 1	T/H 2.79	LEFT
26	75783-0038	OPTION 1	T/H 2.79	RIGHT
26	75783-0039	OPTION 1	T/H 2.79	DUAL
26	75783-0040	OPTION 1	T/H 2.79	UNIVERSAL
26	75783-0041	OPTION 2	T/H 2.79	LEFT
26	75783-0042	OPTION 2	T/H 2.79	RIGHT
26	75783-0043	OPTION 2	T/H 2.79	DUAL
26	75783-0044	OPTION 2	T/H 2.79	UNIVERSAL
26	75783-0045	OPTION 1	T/H 3.18	LEFT
26	75783-0046	OPTION 1	T/H 3.18	RIGHT
26	75783-0047	OPTION 1	T/H 3.18	DUAL
26	75783-0048	OPTION 1	T/H 3.18	UNIVERSAL
26	75783-0049	OPTION 2	T/H 3.18	LEFT
26	75783-0050	OPTION 2	T/H 3.18	RIGHT
26	75783-0051	OPTION 2	T/H 3.18	DUAL
26	75783-0052	OPTION 2	T/H 3.18	UNIVERSAL

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		SEE SHEET 1 EC NO: UCP2008.		MUST REN	<u>±</u> JSW <u>±</u> APPF ± ±1/2° MBA MATE MAIN SIZE	ENSON 02/09/ ROVED BY DATE NAKIS 02/02/ ERIAL NO. SEE CHART	05 05 molex MOL DOCUMENT NO. SD-75783-	0.8MM PITCH EX INCORP	1/0 ORATED 5 0F 12	A
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36 CIRCUIT ITEM NUMBERS

CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
36	75783-0107	OPTION 1	RETENTION	LEFT
36	75783-0108	OPTION 1	RETENTION	RIGHT
36	75783-0109	OPTION 1	RETENTION	DUAL
36	75783-0110	OPTION 1	SMT	LEFT
36	75783-0111	OPTION 1	SMT	RIGHT
36	75783-0112	OPTION 1	SMT	DUAL
36	75783-0119	OPTION 2	RETENTION	LEFT
36	75783-0120	OPTION 2	RETENTION	RIGHT
36	75783-0121	OPTION 2	RETENTION	DUAL
36	75783-0122	OPTION 2	SMT	LEFT
36	75783-0123	OPTION 2	SMT	RIGHT
36	75783-0124	OPTION 2	SMT	DUAL
36	75783-0125	OPTION 1	RETENTION	UNIVERSAL
36	75783-0126	OPTION 1	SMT	UNIVERSAL
36	75783-0127	OPTION 2	RETENTION	UNIVERSAL
36	75783-0128	OPTION 2	SMT	UNIVERSAL
36	75783-0129	OPTION 1	T/H 1.96	LEFT
36	75783-0130	OPTION 1	T/H 1.96	RIGHT
36	75783-0131	OPTION 1	T/H 1.96	DUAL
36	75783-0132	OPTION 1	T/H 1.96	UNIVERSAL
36	75783-0133	OPTION 2	T/H 1.96	LEFT
36	75783-0134	OPTION 2	T/H 1.96	RIGHT
36	75783-0135	OPTION 2	T/H 1.96	DUAL
36	75783-0136	OPTION 2	T/H 1.96	UNIVERSAL

CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
36	75783-0137	OPTION 1	T/H 2.79	LEFT
36	75783-0138	OPTION 1	T/H 2.79	RIGHT
36	75783-0139	OPTION 1	T/H 2.79	DUAL
36	75783-0140	OPTION 1	T/H 2.79	UNIVERSAL
36	75783-0141	OPTION 2	T/H 2.79	LEFT
36	75783-0142	OPTION 2	T/H 2.79	RIGHT
36	75783-0143	OPTION 2	T/H 2.79	DUAL
36	75783-0144	OPTION 2	T/H 2.79	UNIVERSAL
36	75783-0145	OPTION 1	T/H 3.18	LEFT
36	75783-0146	OPTION 1	T/H 3.18	RIGHT
36	75783-0147	OPTION 1	T/H 3.18	DUAL
36	75783-0148	OPTION 1	T/H 3.18	UNIVERSAL
36	75783-0149	OPTION 2	T/H 3.18	LEFT
36	75783-0150	OPTION 2	T/H 3.18	RIGHT
36	75783-0151	OPTION 2	T/H 3.18	DUAL
36	75783-0152	OPTION 2	T/H 3.18	UNIVERSAL
36	75783-0153	OPTION 1	T/H 3.56	LEFT
36	75783-0154	OPTION 1	T/H 3.56	RIGHT
36	75783-0155	OPTION 1	T/H 3.56	DUAL
36	75783-0156	OPTION 1	T/H 3.56	UNIVERSAL
36	75783-0157	OPTION 2	T/H 3.56	LEFT
36	75783-0158	OPTION 2	T/H 3.56	RIGHT
36	75783-0159	OPTION 2	T/H 3.56	DUAL
36	75783-0160	OPTION 2	T/H 3.56	UNIVERSAL

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								iPass™ IS A	A TRADE	MARK OF MOLEX	
NOI 0C/E0/8	2008/04/21 2008/04/21 N	QUALITY SYMBOLS	GENERAL TOLI (UNLESS SPEC	ERANCES IFIED)		NSION STYLE 1 ONLY	SCALE 2:1	METRIC	0	THIRD ANGLE PROJECTION	в
DESCRIPTIC CP2008-1739 NG 2008	VAKIS 2008 DESCRIPTION	▼=0	4 PLACES ± 3 PLACES +	INCH ± +	drawn by KLANG checked by	DATE 02/09/0 DATE				NECTOR V/SHELL	
SOO	(IS SCRII	V=0	2 PLACES ± 0.13	±	JSWENSON)5	0.8MM	PITCH	1/0	
			1 PLACE ± 0.25 ANGULAR		approved e MBANAK I S		15 molex MI	OLEX IN	ICORPO	DRATED	
ENTER EC NO: L	Ŭ, K L K L K L K L K L K K L K K K K K K		DRAFT WHERE A	PPI ICABLE	MATERIAL NI SEE		SD-7578	3-001		SHEET NO. 6 OF 12	A
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CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
50	75783-0207	OPTION 1	RETENTION	LEFT
50	75783-0208	OPTION 1	RETENTION	RIGHT
50	75783-0209	OPTION 1	RETENTION	DUAL
50	75783-0210	OPTION 1	SMT	LEFT
50	75783-0211	OPTION 1	SMT	RIGHT
50	75783-0212	OPTION 1	SMT	DUAL
50	75783-0219	OPTION 2	RETENTION	LEFT
50	75783-0220	OPTION 2	RETENTION	RIGHT
50	75783-0221	OPTION 2	RETENTION	DUAL
50	75783-0222	OPTION 2	SMT	LEFT
50	75783-0223	OPTION 2	SMT	RIGHT
50	75783-0224	OPTION 2	SMT	DUAL
50	75783-0225	OPTION 1	RETENTION	UNIVERSAL
50	75783-0226	OPTION 1	SMT	UNIVERSAL
50	75783-0227	OPTION 2	RETENTION	UNIVERSAL
50	75783-0228	OPTION 2	SMT	UNIVERSAL
50	75783-0229	OPTION 1	T/H 1.96	LEFT
50	75783-0230	OPTION 1	T/H 1.96	RIGHT
50	75783-0231	OPTION 1	T/H 1.96	DUAL
50	75783-0232	OPTION 1	T/H 1.96	UNIVERSAL
50	75783-0233	OPTION 2	T/H 1.96	LEFT
50	75783-0234	OPTION 2	T/H 1.96	RIGHT
50	75783-0235	OPTION 2	T/H 1.96	DUAL
50	75783-0236	OPTION 2	T/H 1.96	UNIVERSAL

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CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
50	75783-0237	OPTION 1	T/H 2.79	LEFT
50	75783-0238	OPTION 1	T/H 2.79	RIGHT
50	75783-0239	OPTION 1	T/H 2.79	DUAL
50	75783-0240	OPTION 1	T/H 2.79	UNIVERSAL
50	75783-0241	OPTION 2	T/H 2.79	LEFT
50	75783-0242	OPTION 2	T/H 2.79	RIGHT
50	75783-0243	OPTION 2	T/H 2.79	DUAL
50	75783-0244	OPTION 2	T/H 2.79	UNIVERSAL
50	75783-0245	OPTION 1	T/H 3.18	LEFT
50	75783-0246	OPTION 1	T/H 3.18	RIGHT
50	75783-0247	OPTION 1	T/H 3.18	DUAL
50	75783-0248	OPTION 1	T/H 3.18	UNIVERSAL
50	75783-0249	OPTION 2	T/H 3.18	LEFT
50	75783-0250	OPTION 2	T/H 3.18	RIGHT
50	75783-0251	OPTION 2	T/H 3.18	DUAL
50	75783-0252	OPTION 2	T/H 3.18	UNIVERSAL

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	HEI		, v	1 PLACE ± 0.25 ANGULA		APPROVED B	y date 02/02/0	5 molex MC		ORPORA	TED	
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68 CIRCUIT ITEM NUMBERS

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CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
68	75783-0307	OPTION 1	RETENTION	LEFT
68	75783-0308	OPTION 1	RETENTION	RIGHT
68	75783-0309	OPTION 1	RETENTION	DUAL
68	75783-0310	OPTION 1	SMT	LEFT
68	75783-0311	OPTION 1	SMT	RIGHT
68	75783-0312	OPTION 1	SMT	DUAL
68	75783-0319	OPTION 2	RETENTION	LEFT
68	75783-0320	OPTION 2	RETENTION	RIGHT
68	75783-0321	OPTION 2	RETENTION	DUAL
68	75783-0322	OPTION 2	SMT	LEFT
68	75783-0323	OPTION 2	SMT	RIGHT
68	75783-0324	OPTION 2	SMT	DUAL
68	75783-0325	OPTION 1	RETENTION	UNIVERSAL
68	75783-0326	OPTION 1	SMT	UNIVERSAL
68	75783-0327	OPTION 2	RETENTION	UNIVERSAL
68	75783-0328	OPTION 2	SMT	UNIVERSAL
68	75783-0329	OPTION 1	T/H 1.96	LEFT
68	75783-0330	OPTION 1	T/H 1.96	RIGHT
68	75783-0331	OPTION 1	T/H 1.96	DUAL
68	75783-0332	OPTION 1	T/H 1.96	UNIVERSAL
68	75783-0333	OPTION 2	T/H 1.96	LEFT
68	75783-0334	OPTION 2	T/H 1.96	RIGHT
68	75783-0335	OPTION 2	T/H 1.96	DUAL
68	75783-0336	OPTION 2	T/H 1.96	UNIVERSAL

CIRCUIT SIZE	ITEM NUMBER	PLATING OPTION	SHELL PCB OPTION	SHELL KEY OPTION
68	75783-0337	OPTION 1	T/H 2.79	LEFT
68	75783-0338	OPTION 1	T/H 2.79	RIGHT
68	75783-0339	OPTION 1	T/H 2.79	DUAL
68	75783-0340	OPTION 1	T/H 2.79	UNIVERSAL
68	75783-0341	OPTION 2	T/H 2.79	LEFT
68	75783-0342	OPTION 2	T/H 2.79	RIGHT
68	75783-0343	OPTION 2	T/H 2.79	DUAL
68	75783-0344	OPTION 2	T/H 2.79	UNIVERSAL
68	75783-0345	OPTION 1	T/H 3.18	LEFT
68	75783-0346	OPTION 1	T/H 3.18	RIGHT
68	75783-0347	OPTION 1	T/H 3.18	DUAL
68	75783-0348	OPTION 1	T/H 3.18	UNIVERSAL
68	75783-0349	OPTION 2	T/H 3.18	LEFT
68	75783-0350	OPTION 2	T/H 3.18	RIGHT
68	75783-0351	OPTION 2	T/H 3.18	DUAL
68	75783-0352	OPTION 2	T/H 3.18	UNIVERSAL

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GENERAL TOLERANCES (UNLESS SPECIFIED)			RD ANGLE
4 PLACES ±	I-PA		
2 PLACES ± 0.13 ± JSWE	ENSON 02/09/05		
		_EX INCORPORA	TED
DRAFT WHERE APPLICABLE		-75783-001	SHEET NO. A 8 OF 12
MUST REMAIN WITHIN DIMENSIONS			
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	(UNLESS SPECIFIED) mm INCH PLACES ± PLACES ± CHECI ± SIZE ± JSWE ± ANGULAR ±1/2° MAFT WHERE MUST REMAIN WITHIN DIMENSIONS	GENERAL TOLERANCES (UNLESS SPECIFIED) DIMENSION STYLE MM ONLY SCALE 2:1 DESCRIPTION M PLACES ± ± PLACES ± ± PLACES ± 0.13 ± PLACES ± 0.13 ± ANGULAR ±1/2° CHECKED BY APPROVED BY MATERIAL NO. DATE 02/09/05 TITLE IIILE IIILE INTER APPROVED BY MATERIAL NO. IIILE DATE 02/02/05 IIILE MOLENT MOLENT INCORPORATED AND SHOULD NOT BE INCORPORATED AND SHOULD NOT BE	GENERAL TOLERANCES (UNLESS SPECIFIED) DIMENSION STYLE MM ONLY SCALE 2:1 DESIGN UNITS METRIC © □ THIF PRO PLACES ± PLACES ± PLACES ± PLACES ± PLACES ± PLACES ± PLACES ± PLACES ± PLACES ± 0.13 07400 1000000000000000000000000000000000

