

## This document was generated on 05/19/2010 PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:	744410010		
	Active		
	fp sfp host connecto	irs	set
		P, SFP Plus (SFP+) Host Connector, Z-Axis Pluggable, Right	
		$0.76\mu m (30\mu^{"})$ Gold (Au)	- Milliter
Decompositor			101922222
Documents: 3D Model		Draduat Specification DS 74444 004 (DDE)	and there are
Application Specification		Product Specification PS-74441-001 (PDF) RoHS Certificate of Compliance (PDF)	
Drawing (PDF)			Seri image - Reference only
Agency Certificatio	n		
CSA	•	LR19980	EU RoHS China RoHS
UL		E29179	ELV and RoHS
01		220110	Compliant
General			REACH SVHC
Product Family		I/O Connectors	Not Reviewed
Series		<u>74441</u>	Halogen-Free
Application		Module-to-Board	Status
Component Type		Receptacle	Halogen-Free
Overview		sfp_sfp_host_connectors	Need more information on product
Product Name		Z-Axis Pluggable	environmental compliance?
Туре		N/A	Empil productoomplicatoo@molov.com
<b>B</b> I · I			Email productcompliance@molex.com
Physical			For a multiple part number RoHS Certificate Compliance, <u>click here</u>
Boot Color		N/A	Compliance, <u>click here</u>
Circuits (Loaded)		20	Please visit the Contact Us section for any
Circuits (maximum)		20	non-product compliance questions.
Circuits Detail		20	
Color - Resin	<b>`</b>	Black	
Durability (mating cycles	max)	200	
Flammability		94V-0	Search Parts in this Series
Gender		Receptacle	74441Series
Keying to Mating Part		Yes	
Lock to Mating Part		Yes	Mates With
Material - Metal		High Performance Alloy (HPA)	SFP Modules
Material - Plating Mating	otion	Gold Tin	
Material - Plating Termina Material - Resin	auon		
Number of Rows		High Temperature Thermoplastic 2	Use With
Orientation		∠ Right Angle	EMI Shield, <u>73927</u> SFP Cage, <u>86025</u> LC
PCB Locator		Yes	Duplex Cable Assembly, Guide Frame, 73939 HSSDC2 Cable Assembly
PCB Retention		Yes	
Packaging Type		Embossed Tape on Reel	
Panel Mount		No	
Pitch - Mating Interface (i	in)	0.031 ln	
Pitch - Mating Interface (	,	0.80 mm	
Pitch - Term. Interface (ir		0.031 ln	
Pitch - Term. Interface (n		0.80 mm	
Plating min: Mating (µin)	,	30.4	
Plating min: Mating (µm)		0.76	
Plating min: Termination	(µm)	2.54	
Polarized to Mating Part	M /	Yes	
Polarized to PCB		No	
Ports		1	
Surface Mount Compatib	le (SMC)	Yes	

Temperature Range - Operating Termination Interface: Style Waterproof / Dustproof Wire Size AWG	-40°C to +85°C Surface Mount No N/A
<b>Electrical</b> Current - Maximum per Contact Grounding to Panel Shielded Voltage - Maximum	0.5A Yes No 30V AC (RMS)/DC
<b>Solder Process Data</b> Duration at Max. Process Temperature (seconds) Lead-free Process Capability Max. Cycles at Max. Process Temperature Process Temperature max. C	40 Reflow Capable (SMT only) 3 260
Material Info	
<b>Reference - Drawing Numbers</b> Application Specification Product Specification Sales Drawing Test Summary	AS-74441-001 PS-74441-001 SD-74441-001 TS-74441-002, TS-74441-004, TS-74441-010

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		12		11	10	9		8	7	6	5	4	З	:
SALES ASSEMBLY DRAWINGS FOR SMALL FORM-FACTOR AND Z AXIS PLUGGABLE CONNECTORS														
	CKT SIZE	PAR NUMB		TOOLED	DESCRIP.	DESCRIPTION		"B*	"C"	"D"	MULTI-SOUR			
		74441-	0001	YES	PLATED PER	NOTE 2	1.10/.043							
	20 7442 7442 7442	74441-0	0004	N0*	PLATED PER	NOTE 2	0.76/.030							
		74441-	0010	YES	PLATED PER	PLATED PER NOTE 3								
		74441-	0014	N0*	PLATED PER	NOTE 3	0.76/.030	11.00/.433	9.40/.370	9.60/.378	SFP	PAGE 2	PAGE	3
		74441-	0021	YES	PLATED PER	NOTE 4	1.10/.043							
		74441-	0031	YES	PLATED PER	NOTE 5	1.10/.043							
		74441-	0041	YES	PLATED PER	NOTE 6	1.10/.043							
		74441-1	0007	YES	PLATED PER	NOTE 2	1.10/.043		13.40/.528					
	30 7444	74441-	0017	YES	PLATED PER	NOTE 3	1.10/.043	15.00/.591		8 13.60/.53	5 XFP	PAGE 2	PAGE	4
				YES	PLATED PER	NOTE 4	1.10/.043							
		74441-1	0005	YES	PLATED PER	NOTE 2	1.10/.043		17.40/.685					
		74441-	0015	YES	PLATED PER	NOTE 3	1.10/.043	19.00/.748		5 17.60/.693	3	PAGE 2	PAGE 5	,
		74441-1	0025	YES	PLATED PER	NOTE 4	1.10/.043							
	50 74441	74441-1	0008	YES	PLATED PER	NOTE 2	1.10/.043		21.40/.843	2 24 40 4050				
		74441-	0018	YES	PLATED PER	NOTE 3	1,10/.043	23.00/.906						,
		74441-1	0028	YES	PLATED PER		1.10/.043			3 21.60/.85	0	PAGE 2	PAGE 6	'
		74441-1	0038	YES	PLATED PER	NOTE 5	1.10/.043							
	744	74441-1	0003	YES	PLATED PER	NOTE 2	1,10/.043							
		74441-	0013	YES	PLATED PER	NOTE 3	1.10/.043			_	XENPAK			
1		74441-1	0023	YES	PLATED PER	NOTE 4	1.10/.043	31.00/1.220	29.40/1.15	7 29.60/1.16	5 XPAK X2	PAGE 2	PAGE	/
		74441-1	0033	YES	PLATED PER	NOTE 5	1.10/.043				~~~			

## NOTES

## 1. MATERIAL:

HOUSING - HIGH TEMPERATURE THERMOPLASTIC GLASS FILLED, UL 94V-0, BLACK TERMINALS - COPPER ALLOY

2. PLATING: CONTACT AREA - 0.38 Jm MIN GOLD OVER 2.54 Jm MIN NICKEL SOLDER FOOT AREA - 2.54 - 5.09 Jm TIN OVER 2.54 Jm MIN NICKEL.

3. PLATING: CONTACT AREA - 0.76 \mummum min GOLD OVER 2.54 \mummum nickel SOLDER AREA - 2.54 -5.09 \mummum TIN OVER 2.54 \mummum min Nickel

- 4. PLATING: CONTACT AREA - 2.54 -5.09 MILLIN OVER 2.54 MILLIN NICKEL
  - CONTACT AREA 0.76  $\mu\text{m}$  MIN GOLD OVER 2.54  $\mu\text{m}$  NICKEL, LUBRICATED SOLDER AREA: GOLD FLASH OVER 2.54  $\mu\text{m}$  MIN NICKEL.
- 5. PLATING: CONTACT AREA - 0.76 µm MIN GOLD OVER 2.54 µm NICKEL, SOLDER AREA: GOLD FLASH OVER 2.54 µm MIN NICKEL.

 PLATING: CONTACT AREA - 0.38 Hm MIN GOLD OVER 2.54 Hm NICKEL; SOLDER AREA: GOLD FLASH OVER 2.54 Hm MIN NICKEL.

7. TERMINAL SOLDER FEET TO BE COPLANAR WITHIN 0.10/.004 FOR 20, 30 AND 40 CIRCUIT CONNECTORS TERMINAL SOLDER FEET TO BE COPLANAR WITHIN 0.15/.006 FOR 70 CIRCUIT CONNECTOR

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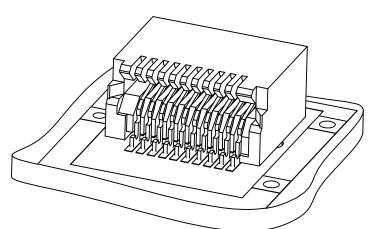
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- 8. \* CONTACT PLANT FOR MORE INFORMATION
- 9. DATE CODE: 4 DIGIT (3 DIGIT DATE, 1 DIGIT YEAR)
- 10. CIRCUIT 1 IDENTIFIER LOCATED ON ALL PART NUMBERS

в					455 2009/01/15 2009/01/16	QUALITY SYMBOLS	GENERAL TOLE (UNLESS SPEC	ERANCES	DIMENSION STYLE MM/IN		IETRIC	THIRD ANGLE PROJECTION	В
					-1-6			± H	drawn by date IAVERY 00/04/0 hecked by date		SALES ASSE	<b>JABLE</b>	
	-				ADD -0041 EC NO: UCP200 IDRWNMS: BARRA CHYCD:BARRA APPR:SMILFE		2 PLACES ± 0.13 1 PLACE ± 0.25 ANGULAR	±.010 A	SWEENEY 00/04/0 PPROVED BY DATE BANAKIS 00/04/0	Talak MOI	<u>PCB CONNEC</u> LEX INCORP		-
A					ADD - DRWN:M APPR:S				ATERIAL NO. SEE TABLE SIZE THIS DRAWING CON		-74441-001	SHEET NO. 1 OF 7	
					Т	REV	WITHIN DIMEN	ISIONS					
/t	tb_frame_C_P_AM_T Rev. E 2006/04/15 <b>12</b>	11	10	9	8	7	6	5	4	З	2	1	



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