FPL II

供電用途最大支持搭載AWG#32電子線·支持eDP HBR2 (5.4 Gbps/lane),多點接地抗噪設計·垂直插拔方式·0.5mm 間距,極細同軸線連接器

Product Specifications:			
Mating type		Right angle vertical	
Board Pitch (mm)		0.5	
Wiping Length (mm)		0.51	
Mated size (mm)	Height	2.2 +/- 0.2	
	Width	Formula: 5.8 + (0.5*?p)	
	Depth	6.1	
Dia Carrata	Range	Up to 50	
Pin Counts	Available	30 40 50	

*	若有規格外	Pin數需求	請與當地自	青業務窗口聯繫。	

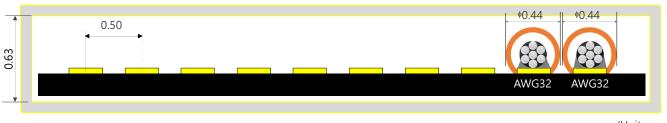
Applicable Cable Size:		
Maximum O.D. (mm)	0.5	
Micro-Coaxial	45 ohm: #36 or smaller	
for Signal (AWG)	50 ohm: #38 or smaller	
Twinax (AWG)	#40	
Discrete (AWG)	#32 or smaller	

Applicable Standards (Reference Only):

eDP HBR 2 (5.4 Gbps), USB 3.1 Gen 1 (5 Gbps)



▶ 供電用途最大支持搭載AWG#32電子線

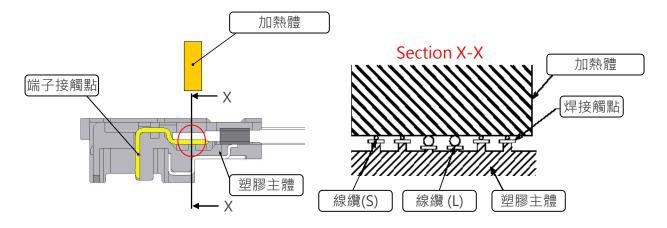


Metal shell

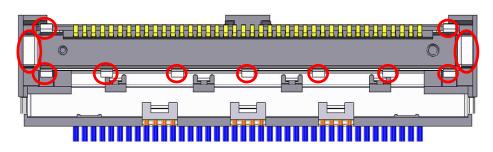
FPL II 0.5mm間距,搭載電子線的情形

(Unit:mm)

▶ 可同時焊接不同尺寸的極細同軸線和電子線



▶ 多點接地設計,有效屏蔽電磁波干擾



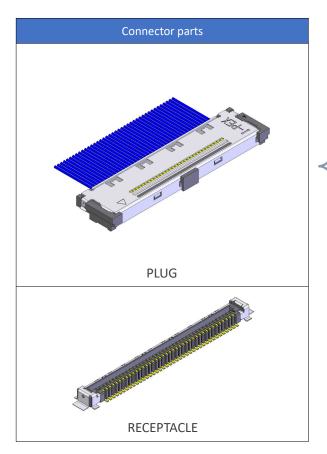
FPL II 30P 底部視圖

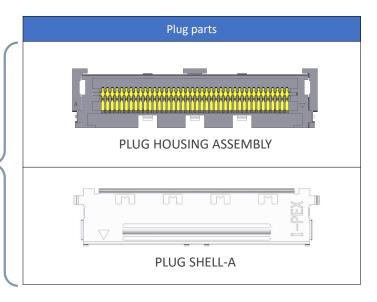




Component Parts Details

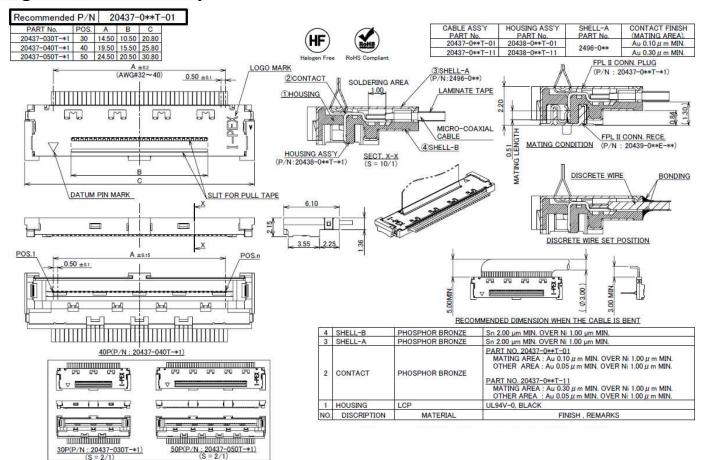
Component Parts



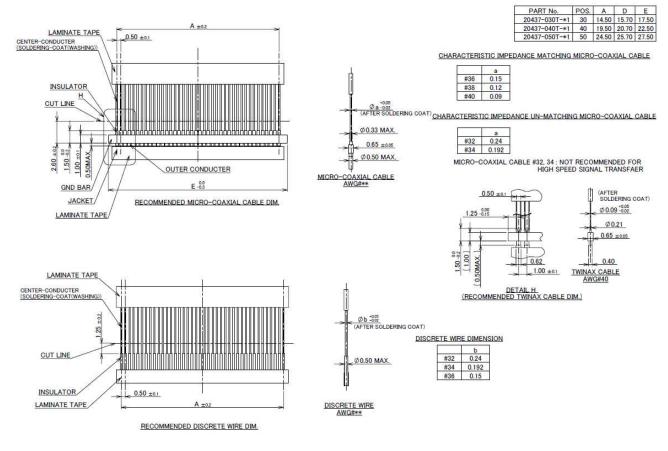




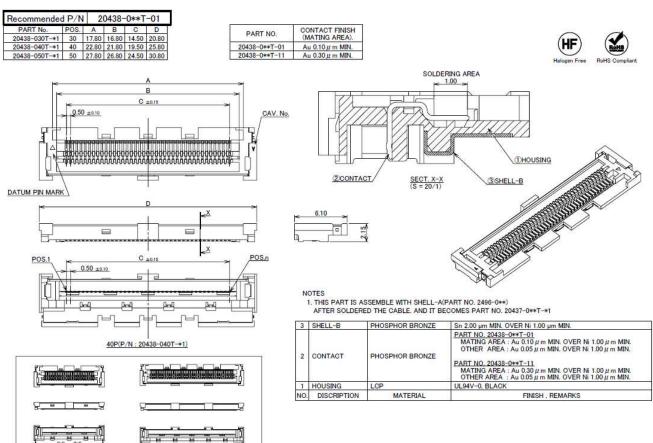
Plug for Cable Assembly



Rev.17

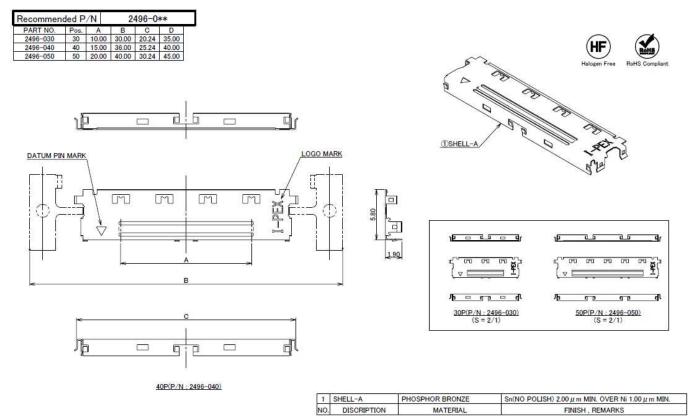


Plug Housing Assembly



Rev 12

Plug Shell-A





Receptacle Assembly

Recommended P/N 20439-0**E-01					
				PART NO.	CONTACT FINISH (MATING SIDE)
PART NO. Pos. A B C D 20439-030E-*1 30 20.60 17.86 12.00 14.50				20439-0**E-01	Au 0.1 μ m MIN.
20439-040E-*1 40 25.60 22.86 16.00 19.50		6		20439-0**E-11	Au 0.3 μ m MIN.
20439-050E-*1 50 30.60 27.86 20.00 24.50		(1	-(₹) (₹)	20100 0.12 11	And Old Ell William
DATUM PIN MARK B ± 0.15 C ± 0.15 4.00 ± 0.1 3.60 VACUUM AREA POS.n S A CAV. YACUUM AREA POS.n S A A CAV. S A CAV. S CAV. CAV. CAV. S CAV. CAV.	000 No.		(THOUSING	Pos. 1 30P 40P	TING COMBINATION TABLE PLUG PART NO. RECE_PART NO. 20437-030T**1 20439-030E**1 20437-040T**1 20439-040E**1 20437-050T**1 20439-050E**1 FPL II CONN_PLUG (P/N : 20437-0**T**+1) FPL II CONN_RECE. (P/N : 20439-0**E**+1) MATED CONDITION
	3		PHOSPHOR BRONZE		Dμm MIN. OVER Ni 1.00 μm MIN.
	2		PHOSPHOR BRONZE	PART NO. 20439-0* MATING AREA: A OTHER AREA: A	*E=0* ω 0.10 μ m MIN. OVER Ni 1.00 μ m MIN. ω 0.05 μ m MIN. OVER Ni 1.00 μ m MIN.
				OTHER AREA : A	u 0.05 μ m MIN. OVER Ni 1.00 μ m MIN.

1 HOUSING NO. DISCRIP

DISCRIPTION

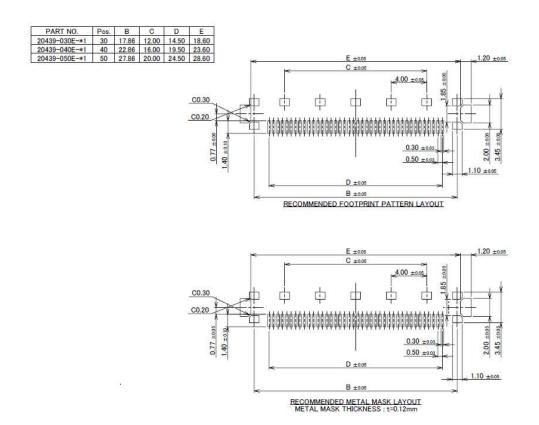
LCP

MATERIAL

UL94V-0, BLACK

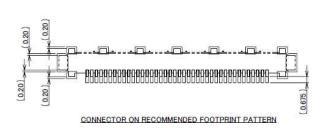
FINISH , REMARKS

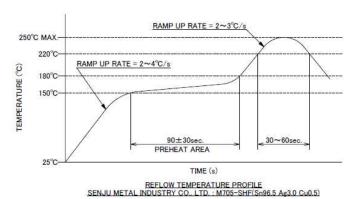
Rev.23





Receptacle Assembly





Rev.23

ITEMS	SPECIFICATION				
APPLICABLE CABLE	MICRO-COAXIAL CABLE: AWG# 40, 38, 36, 34, 32 DISCRETE WIRE: AWG# 36, 34, 32 TWINAX CABLE: AWG# 40				
RATING VOLTAGE	100V AC (PER CONTACT PIN)				
RATING AMPERAGE (FOR CONTACT)	0.3A AC/DC [AWG#40] PER CONTACT PIN / UP TO 50 CONTACTS 0.6A AC/DC [AWG#38] PER CONTACT PIN / UP TO 6 CONTACTS 0.8A AC/DC [AWG#38] PER CONTACT PIN / UP TO 4 CONTACTS 1.0A AC/DC [AWG#34] PER CONTACT PIN / UP TO 7 CONTACTS TESTING BY REAL MACHINE IS RECOMMENDED BECAUSE TEMPERATURE RISE MAY AFFECTED BY ACTUAL SITUATION.				
OPERATING TEMPERATURE	233~358K(-40°C~+85°C)				
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)				
CONTACT RESISTANCE	INITIAL: 145mohm MAX.(AWG#32) / AFTER TEST:				
GROUND SHELL RESISTANCE	INITIAL: 50mohm MAX. / AFTER TEST: △40mohm MAX.				
INSULATION RESISTANCE	INITIAL: 1000Mohm MIN. / AFTER TEST: 500Mohm MIN.				
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min				
DURABILITY	30 CYCLES				
MATING FORCE (INITIAL / AFTER TEST)	30P: 50.0N MAX. / 40P: 60.0N MAX. / 50P: 70.0N MAX.				
UNMATING FORCE (INITIAL / AFTER TEST)	30P: 5.0N MIN. / 40P: 6.0N MIN. / 50P: 7.0N MIN.				
CABLE RETENTION FORCE	30.0N MIN.				
COPLANARITY	0.10 MAX.				
PRODUCT SPECIFICATION	PRS-1383				
TEST REPORT	TR-07048				
PACKING STANDARD	PLUG HOUSING ASS'Y: 300-584 / PLUG SHELL-A: 300-585				
INSTRUCTION MANUAL	HIM-09007				
ASSEMBLY MANUAL	ASM-07005				
APPEARANCE CRITERIA No.	QLS-A***				





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