EVAFLEX[®] 5-SE-G VT

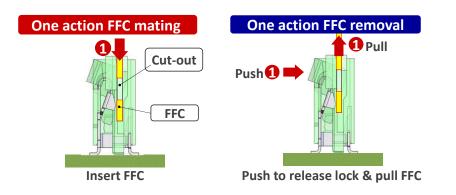
One-handed auto-locking feature, high temperature (125°C), high-speed, vertical mate, 0.5 mm pitch shielded FFC/FPC connector

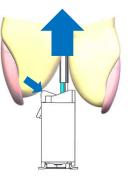


Product Specifications:				Applicable FPC/FFC:		
	Board Pit	ch (mm)	0.5	FPC/FFC Type	Shielded FFC, Non-shielded	
	Wiping Length (mm)		1.2	FPC/FFC Type	FFC/FPC	
		Height	6.6 +/- 0.30	FPC/FFC Contact Point	Signal contact tail side	
	Size (mm)	Width	Formula: 8.00 + (0.5*?p)	FPC/FFC Thickness (mm)	0.30 +/- 0.03	
		Depth	3.90 +/- 0.20	Applicable Standards (Reference Only): eDP (2.7 Gbps) V-By-One HS 1.4 (4 Gbps)		
	Pin counts	Range	20 - 60			
	PIII COUNTS	Available	20, 30, 40, 50, 60	USCAR II Vibration & Sho	ock V1	

* Please inquire for pin counts not listed or outside of the pin count range.

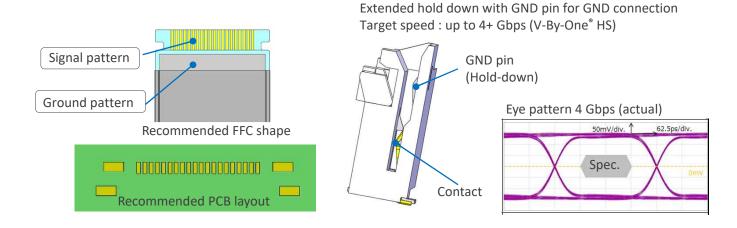
One-handed operational auto-lock design, ideal for hand or robotic assembly



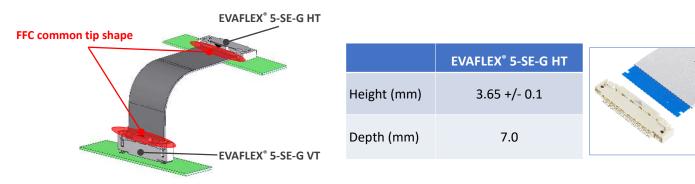


Release lock and pull FFC at same time for one-hand operation.

Designed for high-speed transmission with grounding contacts (4+ Gbps V-By-One[®] HS)



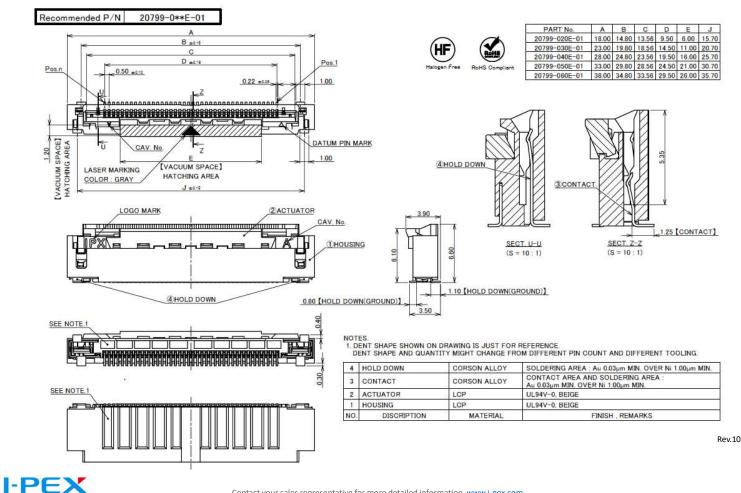
Horizontal mate type using same FFC option as EVAFLEX[®] 5-SE-G HT



I-PEX

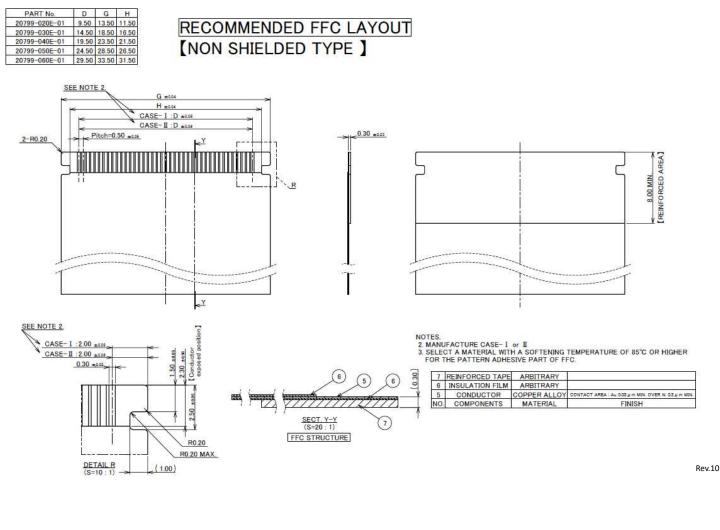
Component Parts Details

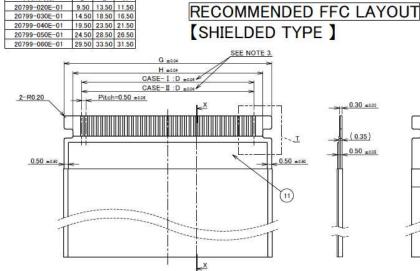
Connector Assembly

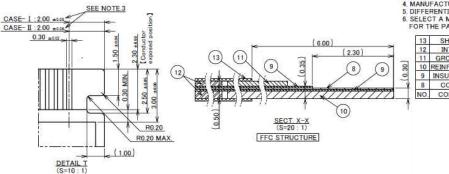


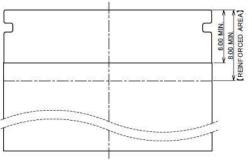
Contact your sales representative for more detailed information. www.i-pex.com

Connector Assembly









NOTES. 4. MANUFACTURE CASE-1 or II 5. DIFFERENTIAL IMPEDANCE : $100\pm10\Omega$ 6. SELECT A MATERIAL WITH A SOFTENING TEMPERATURE OF 85°C OR HIGHER FOR THE PATTERN ADHESIVE PART OF FFC.

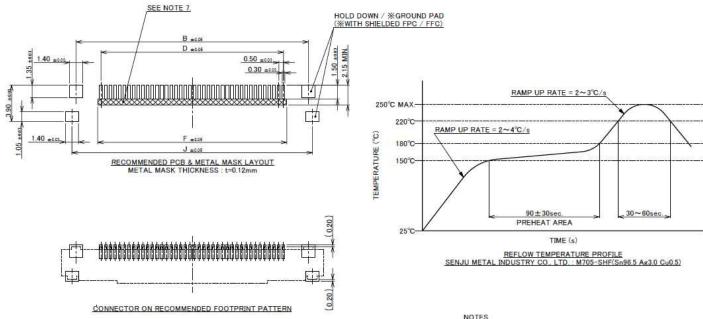
13	SHIELD TAPE	METALLIC FILM	
12	INTERLAYER	ARBITRARY	
11	GROUND PLATE	METALLIC FILM	POLISH or HALF POLISH Sn PLATING
10	REINFORCED TAPE	ARBITRARY	
9	INSULATION FILM	ARBITRARY	
8	CONDUCTOR	COPPER ALLOY	CONTACT AREA : Au 0.05 µ m MIN. OVER N: 0.5 µ m MIN
NO.	COMPONENTS	MATERIAL	FINISH

PART No.

DGH

Connector Assembly

PART No.	В	D	F	J
20799-020E-01	14.80	9.50	10.20	15.70
20799-030E-01	19.80	14.50	15.20	20,70
20799-040E-01	24.80	19.50	20.20	25.70
20799-050E-01	29.80	24.50	25.20	30.70
20799-060E-01	34.80	29,50	30.20	35.70



NOTES 7. SOLDER RESIST MUST BE APPLIED TO THIS AREA.

Rev.10

ITEMS	SPECIFICATION		
RATING VOLTAGE	50V AC/DC (PER CONTACT PIN)		
RATING AMPERAGE	0.35A AC/DC (PER CONTACT PIN) AVAILABLE FOR ALL CONTACTS 0.5A AC/DC (PER CONTACT PIN) AVAILABLE UP TO 15 CONTACTS		
OPERATING TEMPERATURE	233~398K(-40°C~+125°C)		
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)		
CONTACT RESISTANCE	INITIAL : 60mohm MAX. / AFTER TEST : ⊿40mohm MAX.		
INSULATION RESISTANCE	500Mohm MIN.		
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min		
DURABILITY	50TH CYCLES		
FPC/FFC MATING FORCE (INITIAL / 50TH CYCLES)	20P : 15.00 N MAX. 30P : 22.00 N MAX. 40P : 29.00 N MAX. 50P : 36.00 N MAX. 60P : 43.00 N MAX.		
FPC/FFC UNMATING FORCE (INITIAL / 50TH CYCLES)	20P : 2.00 N MIN. 30P : 2.70 N MIN. 40P : 3.40 N MIN. 50P : 4.10 N MIN. 60P : 4.80 N MIN.		
FPC/FFC RETENTION FORCE (INITIAL / AFTER TEST)	20P : 11.00 N MIN. 30P : 11.70 N MIN. 40P : 12.40 N MIN. 50P : 13.10 N MIN. 60P : 13.80 N MIN.		
COPLANARITY	0.10 MAX.		
PRODUCT SPECIFICATION	PRS-2305		
TEST REPORT	TR-17100		
PACKING STANDARD	PST-18002		
INSTRUCTION MANUAL	HIM-16039		
APPEARANCE CRITERIA No.	QLS-A***		



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> Contact your sales representative or more detailed information.

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