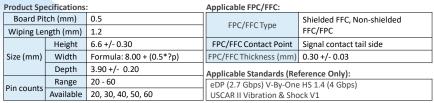
EVAFLEX® 5-SE-G VT

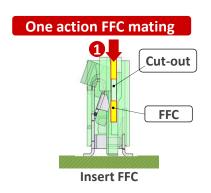
One-handed auto-locking feature, high temperature (125°C), high-speed, vertical mate, 0.5 mm pitch shielded FFC/FPC connector

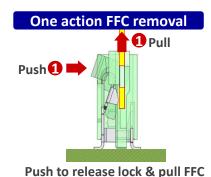


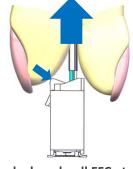
^{*} Please inquire for pin counts not listed or outside of the pin count range



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

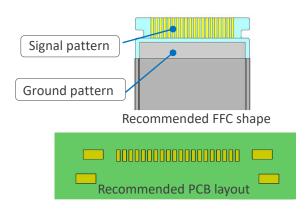




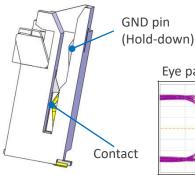


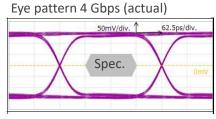
Release lock and pull FFC at same time for one-hand operation.

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

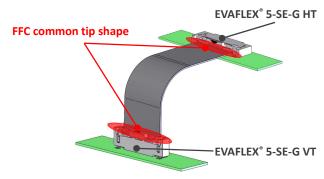


Extended hold down with GND pin for GND connection Target speed: up to 4+ Gbps (V-By-One® HS)

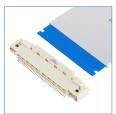




Horizontal mate type using same FFC option as EVAFLEX® 5-SE-G HT



	EVAFLEX [®] 5-SE-G HT
Height (mm)	3.65 +/- 0.1
Depth (mm)	7.0

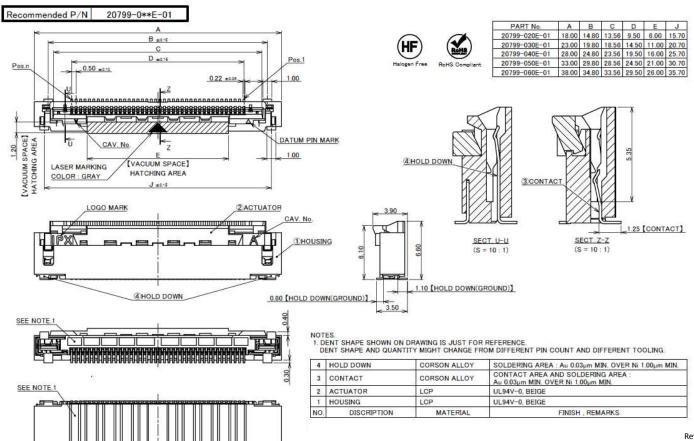




Component Parts Details

Connector Assembly

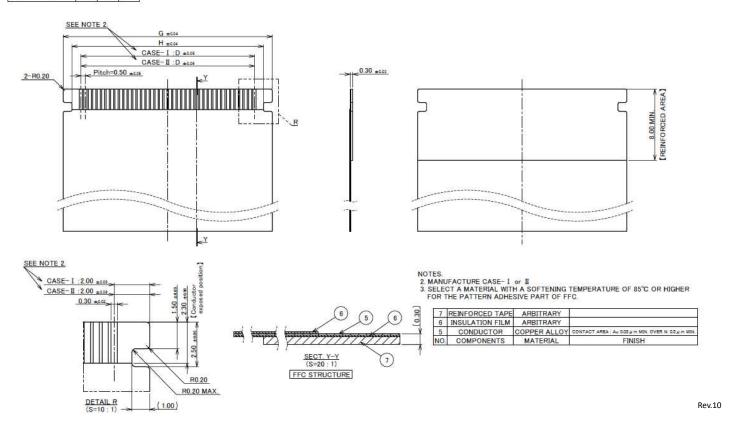
I-PEX

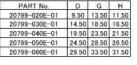


Connector Assembly

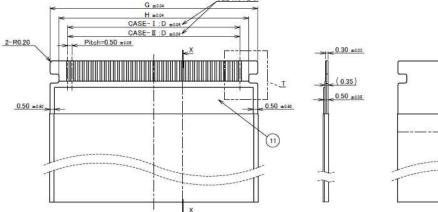
PART No.	D	G	н
20799-020E-01	9.50	13.50	11.50
20799-030E-01	14.50	18.50	16.50
20799-040E-01	19.50	23.50	21.50
20799-050E-01	24.50	28.50	26.50
20799-060E-01	29.50	33,50	31,50

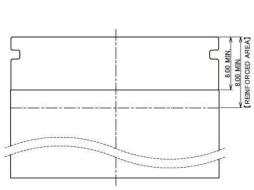
RECOMMENDED FFC LAYOUT [NON SHIELDED TYPE]

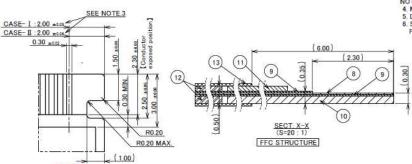




RECOMMENDED FFC LAYOUT [SHIELDED TYPE]







NOTES. 4. MANUFACTURE CASE- I 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.

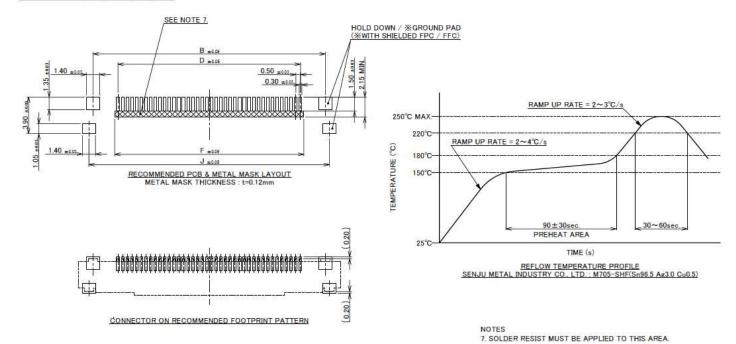
13	SHIELD TAPE	METALLIC FILM	
12	INTERLAYER	ARBITRARY	
11	GROUND PLATE	METALLIC FILM	POLISH or HALF POLISH Sn PLATING
10	REINFORCED TAPE	ARBITRARY	
9	INSULATION FILM	ARBITRARY	
8	CONDUCTOR	COPPER ALLOY	CONTACT AREA: Au 0.05 µ m MIN. OVER N: 0.5 µ m MIN.
NO.	COMPONENTS	MATERIAL	FINISH

Rev.10



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
20799-060F-01	34 80	20 50	30.20	35.70



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: 13.10 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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