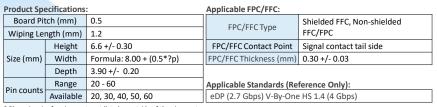
# **EVAFLEX® 5-SE-G VT**

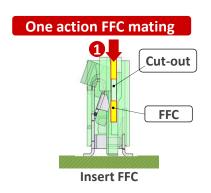
One-handed auto-locking feature, high temperature (125°C), high-speed, vertical mate, 0.5 mm pitch shielded FFC/FPC connector

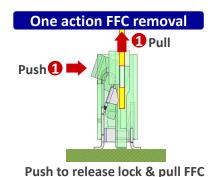


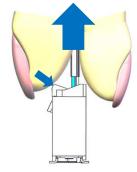
<sup>\*</sup> Please inquire for pin counts not listed or outside of the pin count range



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

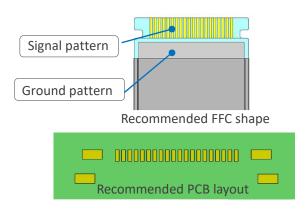




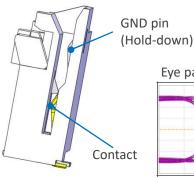


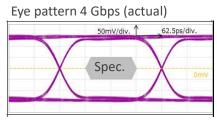
Release lock and pull FFC at same time for one-hand operation.

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

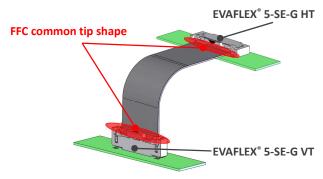


Extended hold down with GND pin for GND connection Target speed: up to 4+ Gbps (V-By-One® HS)

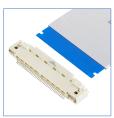




## Horizontal mate type using same FFC option as EVAFLEX® 5-SE-G HT



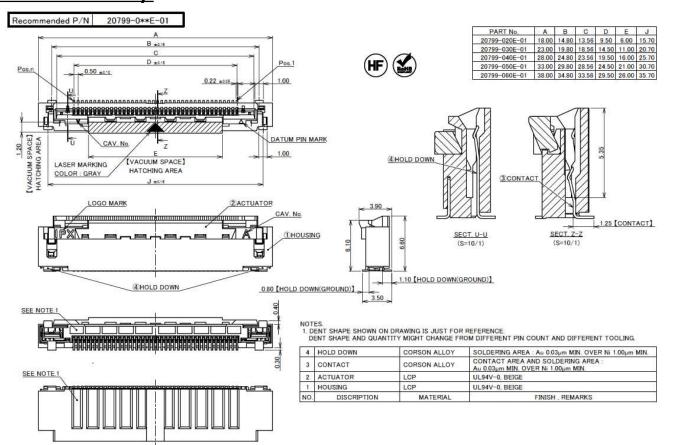
	EVAFLEX <sup>®</sup> 5-SE-G HT
Height (mm)	3.65 +/- 0.1
Depth (mm)	7.0





# **Component Parts Details**

### **Connector Assembly**



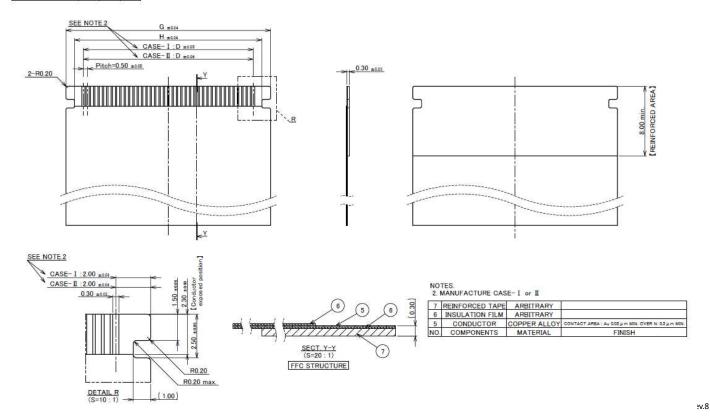
Rev.8

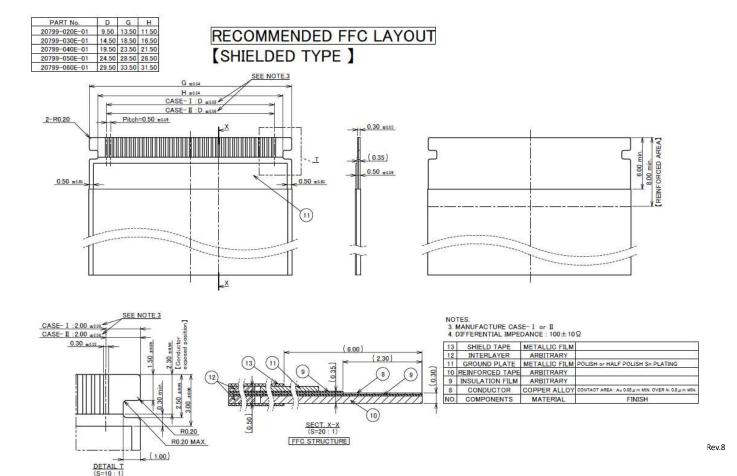


### **Connector Assembly**

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

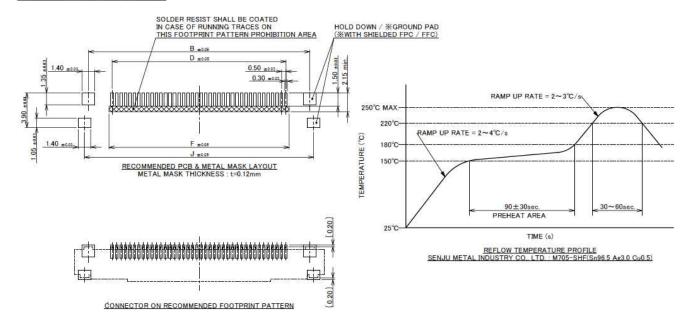
# RECOMMENDED FFC LAYOUT [NON SHIELDED TYPE ]





### **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



Rev.#

ITEMS	SPECIFICATION		
RATING VOLTAGE	50V AC/DC (PER CONTACT)		
RATING AMPERAGE	0.35A AC/DC (PER CONTACT) AVAILABLE FOR ALL CONTACTS 0.5A AC/DC (PER CONTACT) 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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