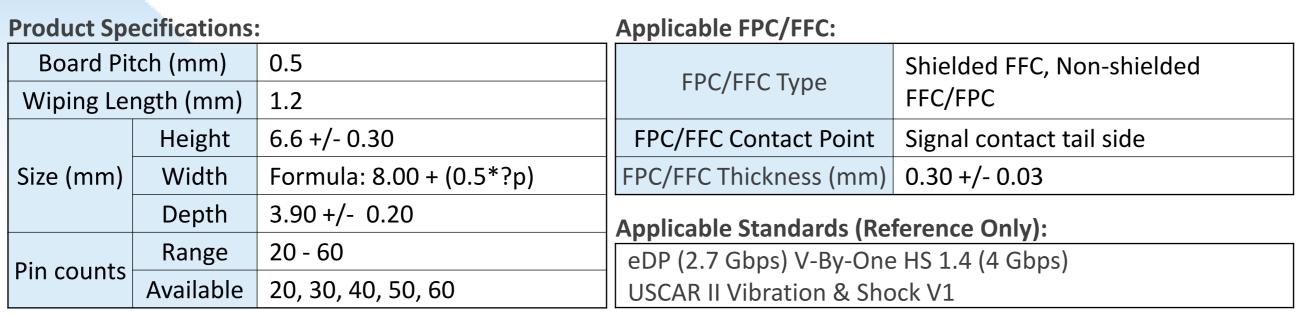
## **EVAFLEX® 5-SE-G VT**

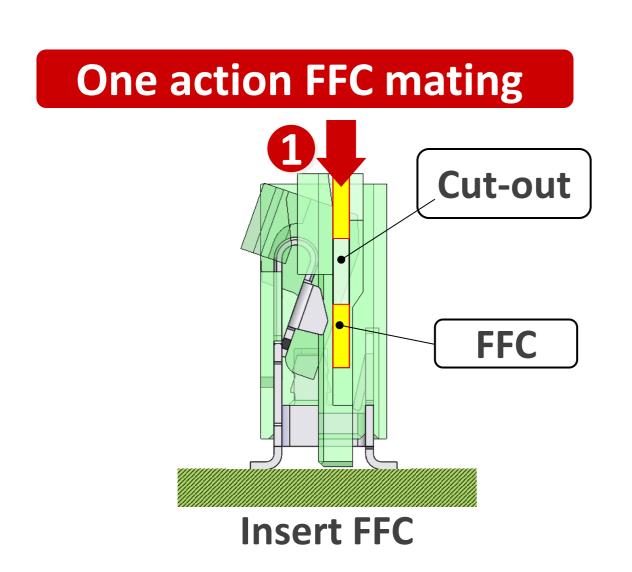
One-handed auto-locking feature, high temperature resistance (125°C), high-speed, vertical mate, 0.5 mm pitch shielded FFC/FPC connector

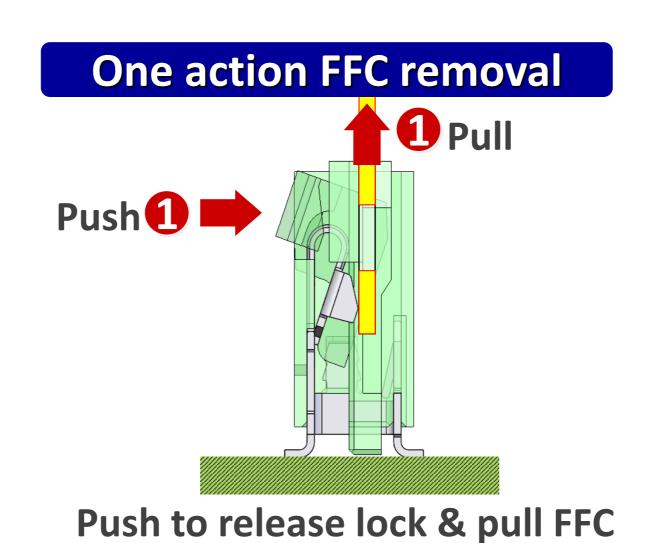


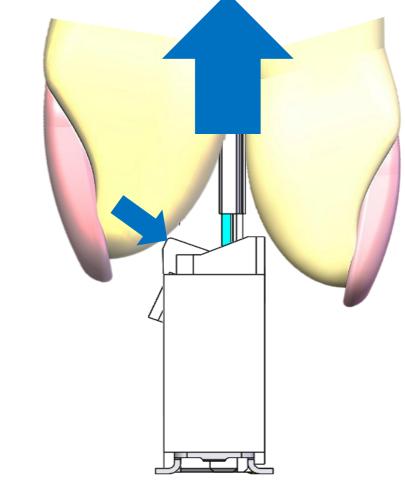
<sup>\*</sup> Please inquire for pin counts not listed or outside of the pin count range.



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

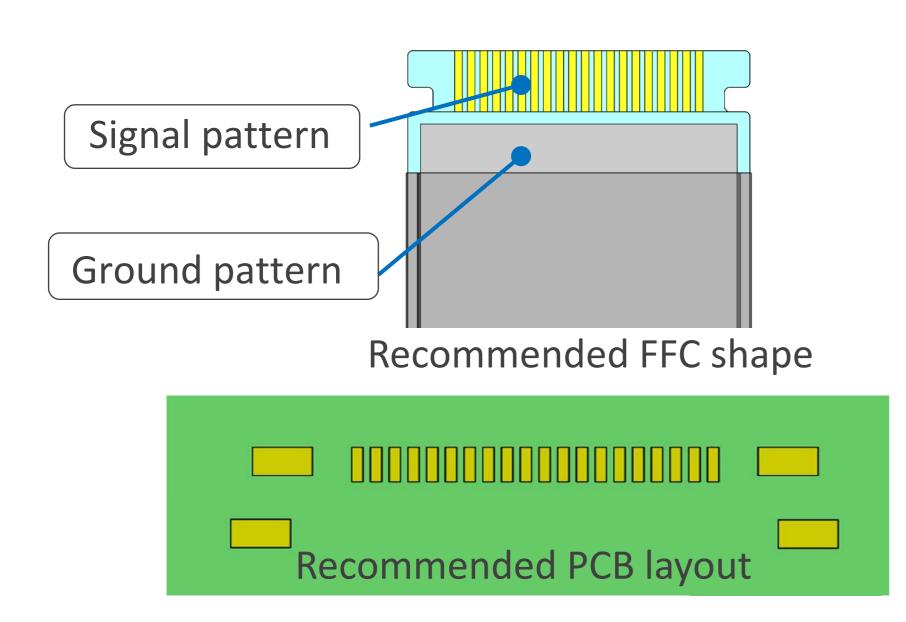




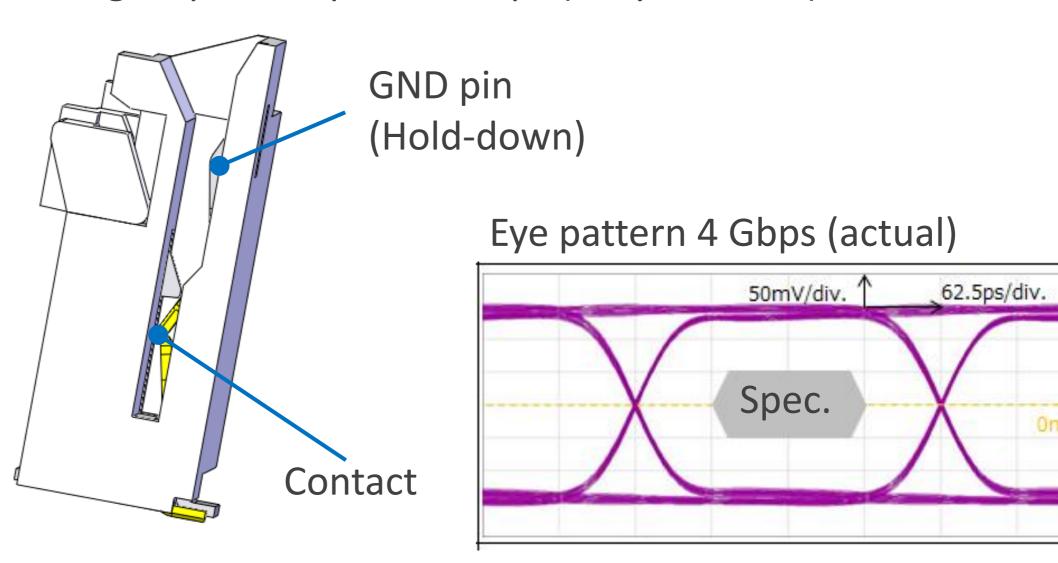


Release lock and pull FFC at same time for one-hand operation.

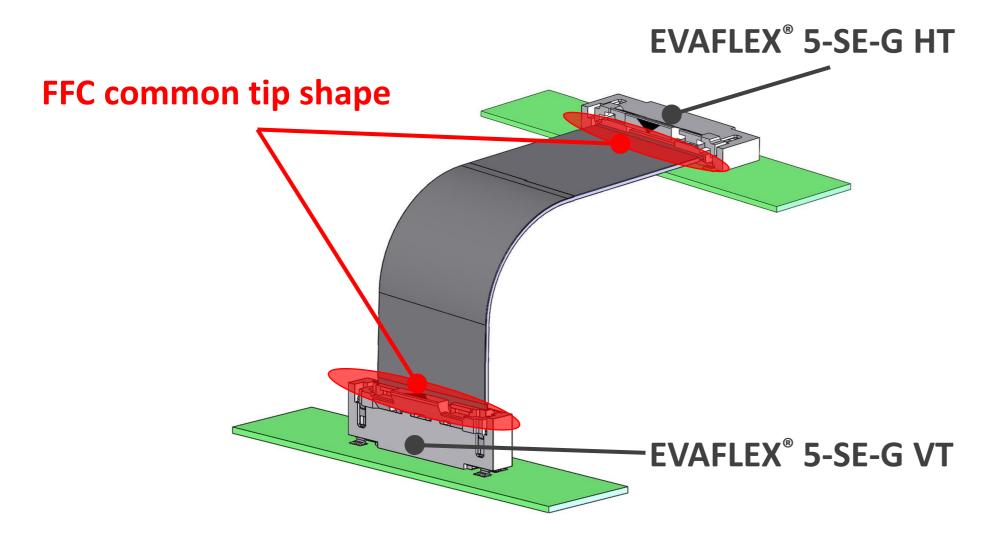
## Designed for high-speed transmission with grounding contacts (4+ Gbps V-By-One® HS)



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

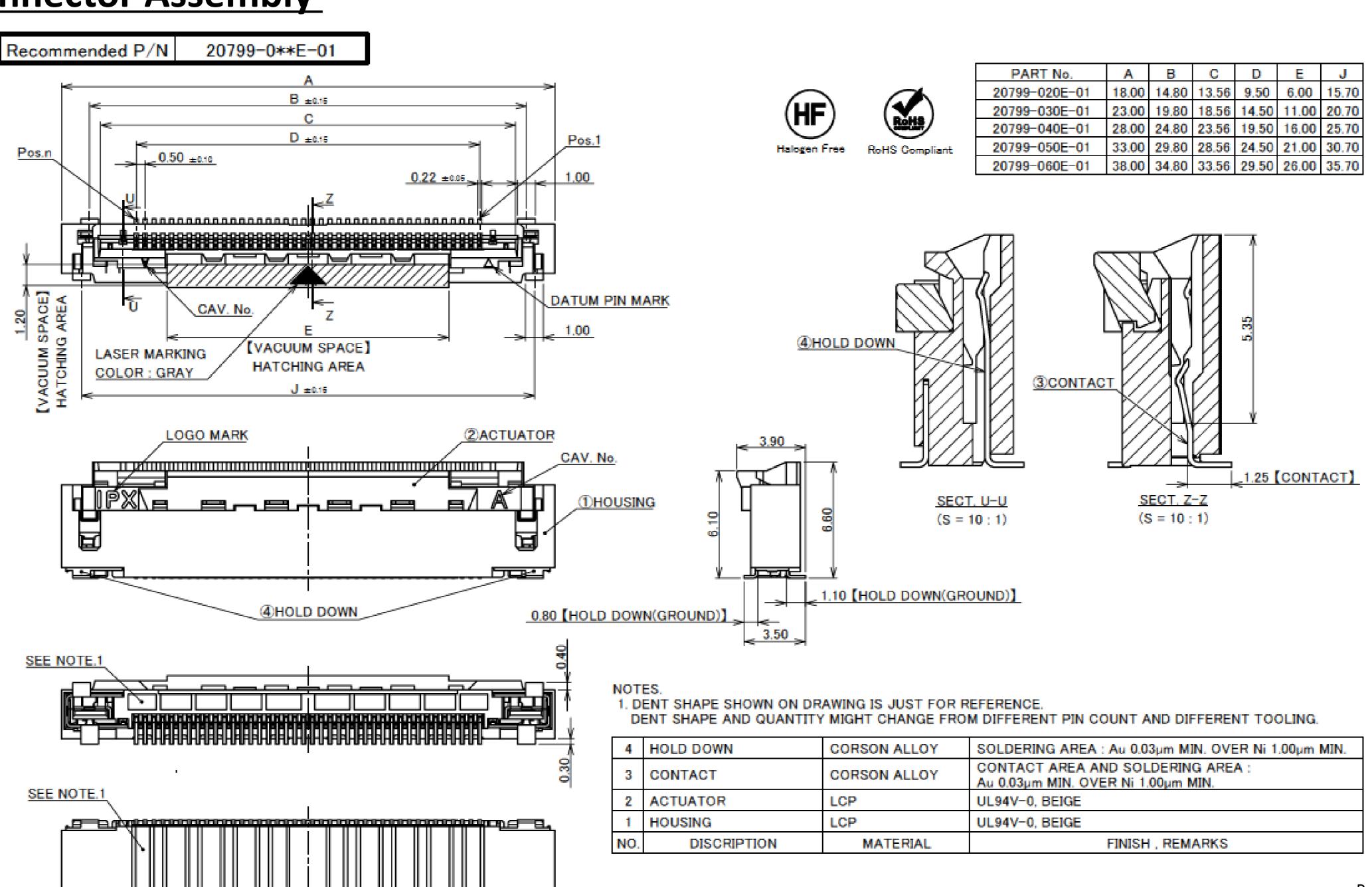


	EVAFLEX® 5-SE-G HT
Height (mm)	3.65 +/- 0.1
Depth (mm)	7.0



# Component Parts Details

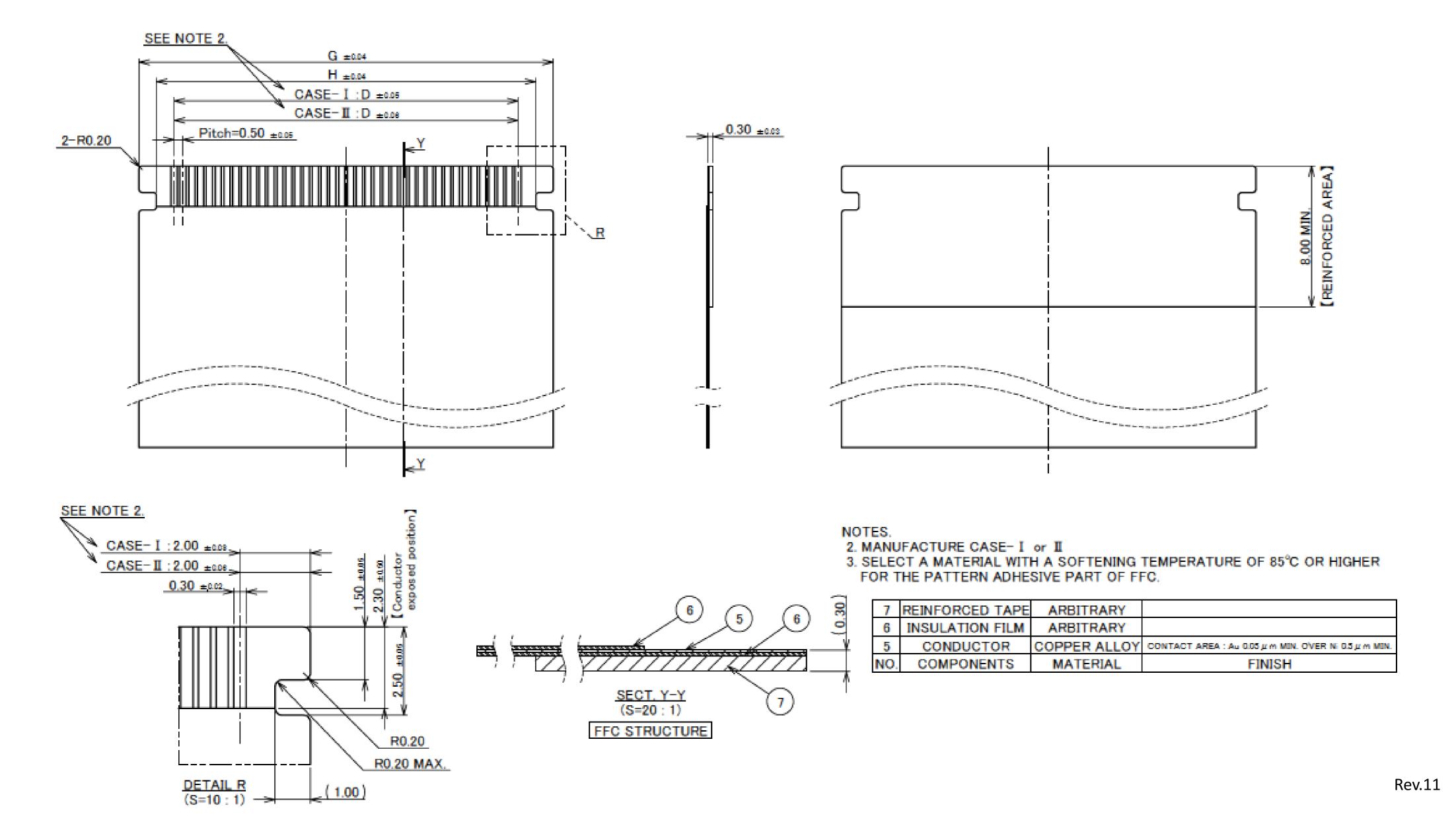
## **Connector Assembly**

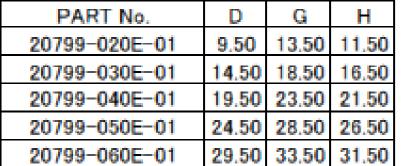


#### **Connector Assembly**

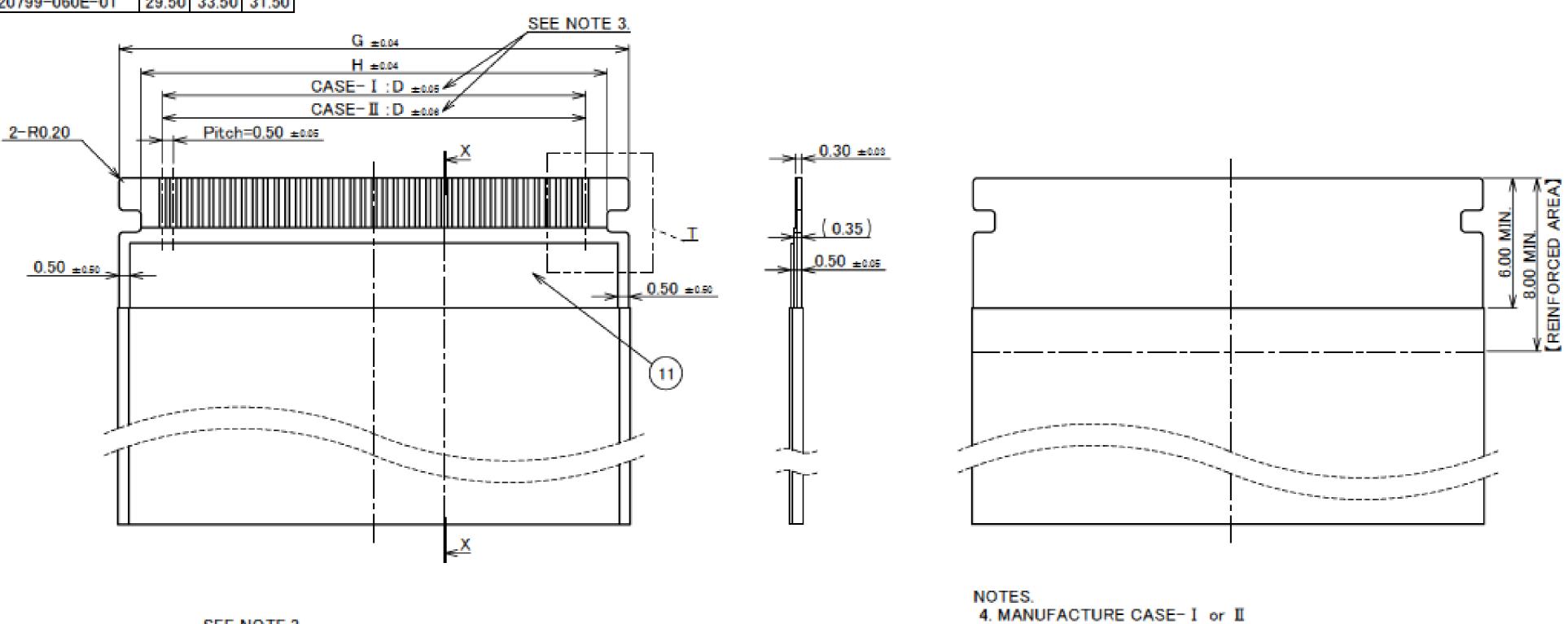
PART No.	D	G	Н
20799-020E-01	9.50	13.50	11.50
20799-030E-01	14.50	18.50	16.50
20799-040E-01	19.50	23.50	21.50
20799-050E-01	24.50	28.50	26.50
20799-060E-01	29.50	33,50	31.50

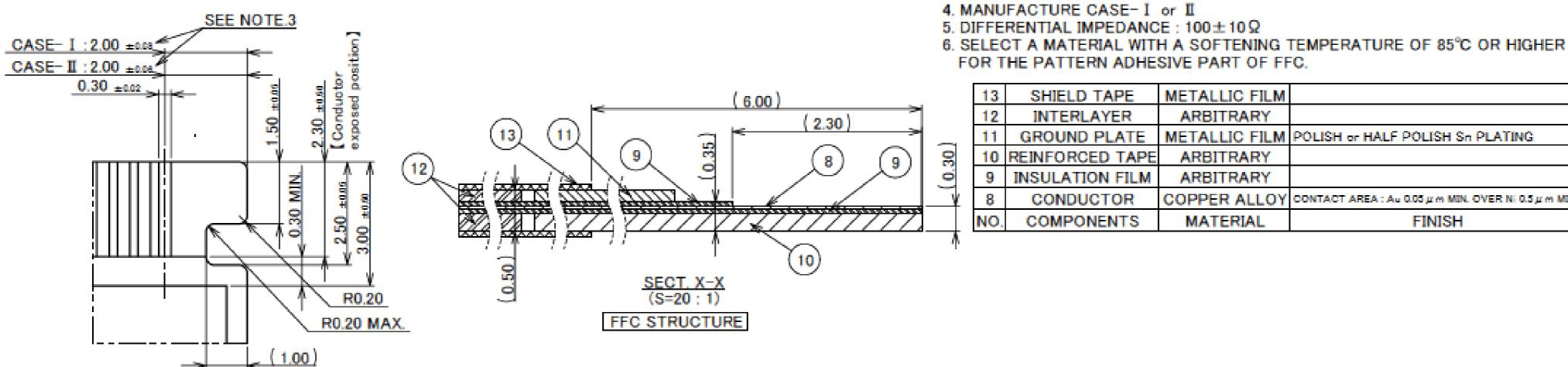
#### RECOMMENDED FFC LAYOUT [NON SHIELDED TYPE]





#### RECOMMENDED FFC LAYOUT [SHIELDED TYPE]





F	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
3	10	REINFORCED TAPE	ARBITRARY	
Š	9	INSULATION FILM	ARBITRARY	
¥	8	CONDUCTOR	COPPER ALLOY	CONTACT AREA: Au 0.05 µm MIN. OVER Ni 0.5 µm MIN.
	NO.	COMPONENTS	MATERIAL	FINISH

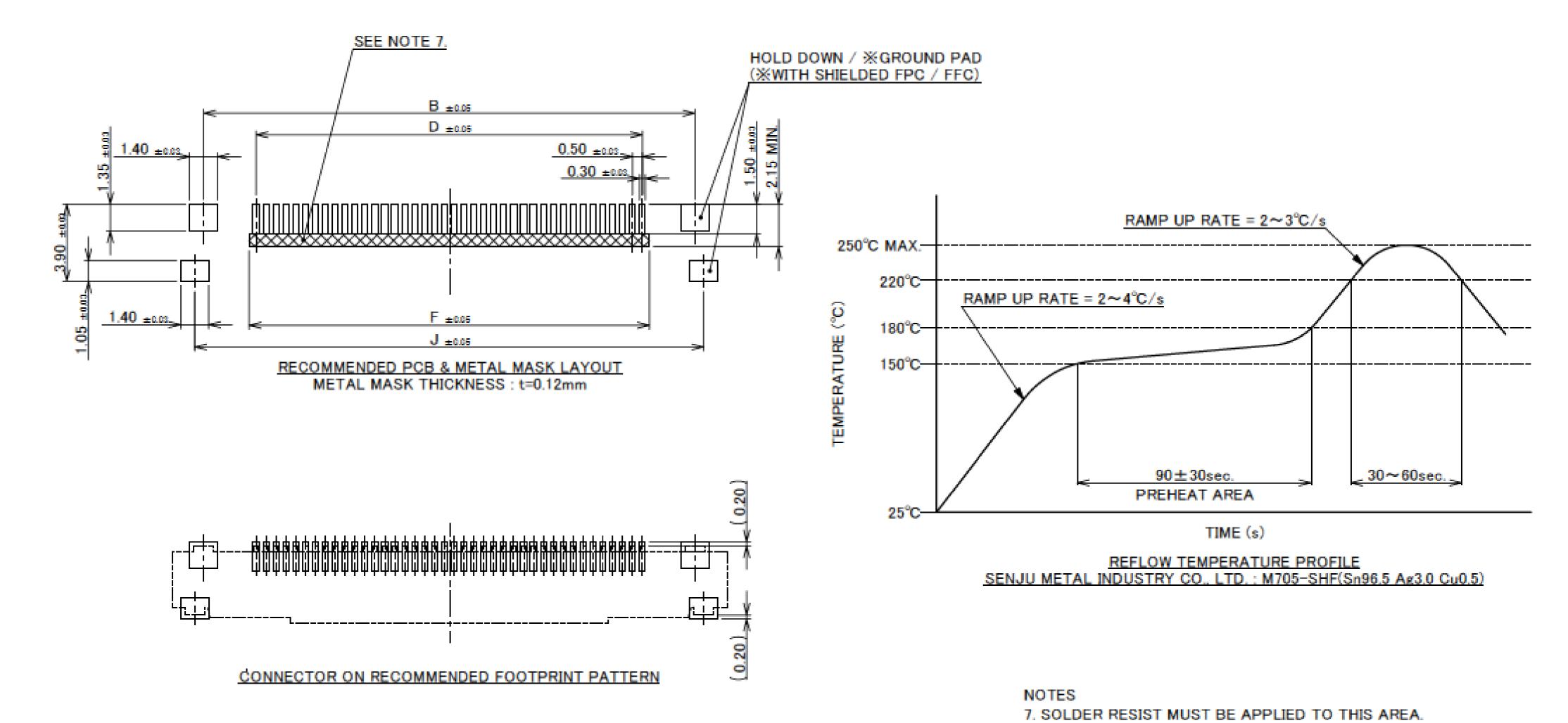
Rev.11



DETAIL T (S=10:1)

## **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.11

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.		
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***		



Custom Connectors Available

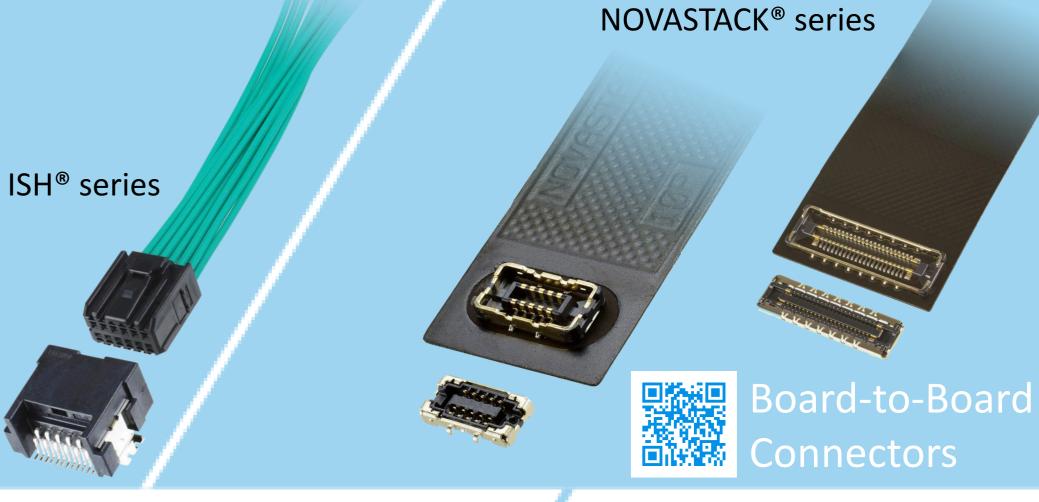




AP series









MINIDOCK<sup>TM</sup> series











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> Contact your sales representative or more detailed information.

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