FPC/FFC Connector

DW-5

Hybrid connector for discrete wire and FPC, height = 1.0 mm, 0.5 mm pitch, horizontal, backflip

					_			
Product Specifications:			Plug	Receptacle	Applicable FPC/FFC:			
Board Pitch (mm)		ch (mm)	0.5	FPC/FFC Contact	0.5			
Wiping Length (mm)		ngth (mm)	1	Pitch	0.5			
		Height	1.0 +/- 0.1		FPC/FFC Contact	T 15		
	C: / \	Width	Formula: 3.8+(0.5*?p)	Formula: 3.7+(0.5*?p)	Point	Top and Botton		
	Size (mm)	Donth	Open: Mating FPC: 3.0 M	ating PLUG CABLE: 4.9	FPC/FFC	0.2./.0.02		
		Depth	Close: Mating FPC : 3.5 M	ating PLUG CABLE: 5.39	Thickness (mm)	0.2 +/- 0.03		
	Din counts	Range	6-20 (even)					
	Pin counts	Δvailable	6 8 10					

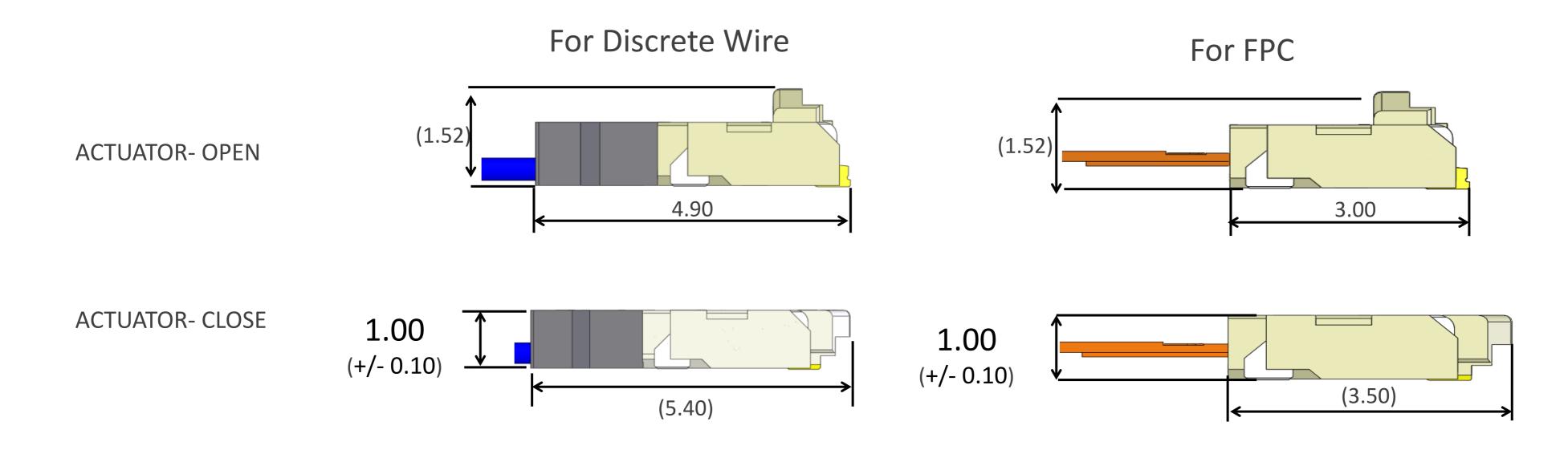
^{*} Please inquire for pin counts not listed or outside of the pin count range.



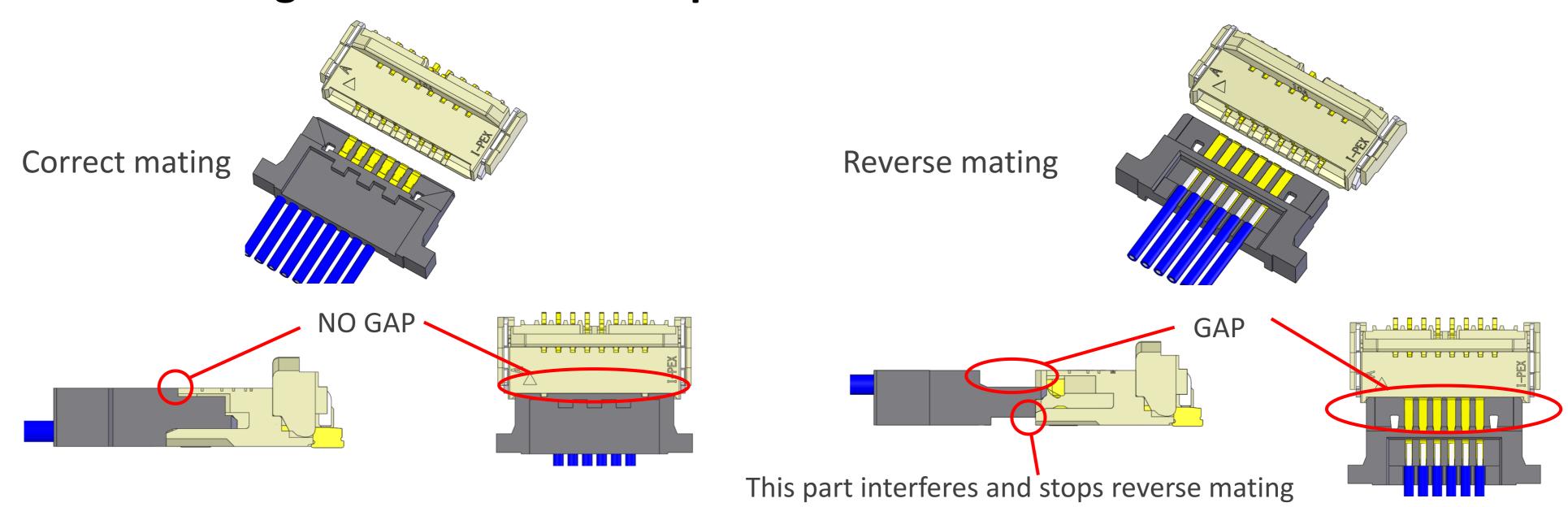


> Smallest in class at 1.0 mm height

Very low height of 1.00 mm, world's smallest class 6p dimension



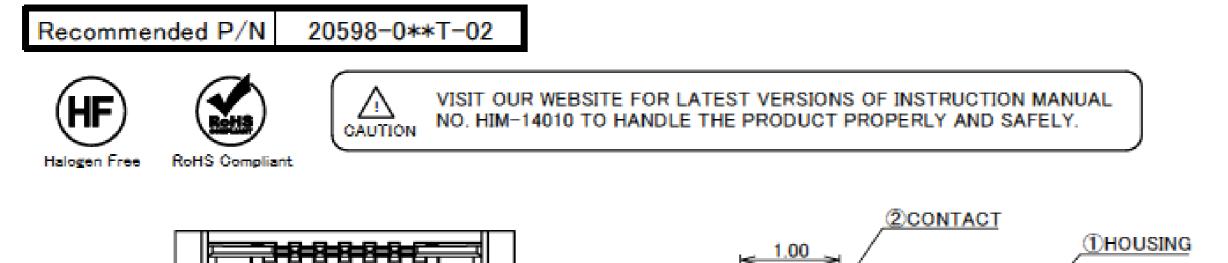
Anti-reverse mating structure reduces operational error





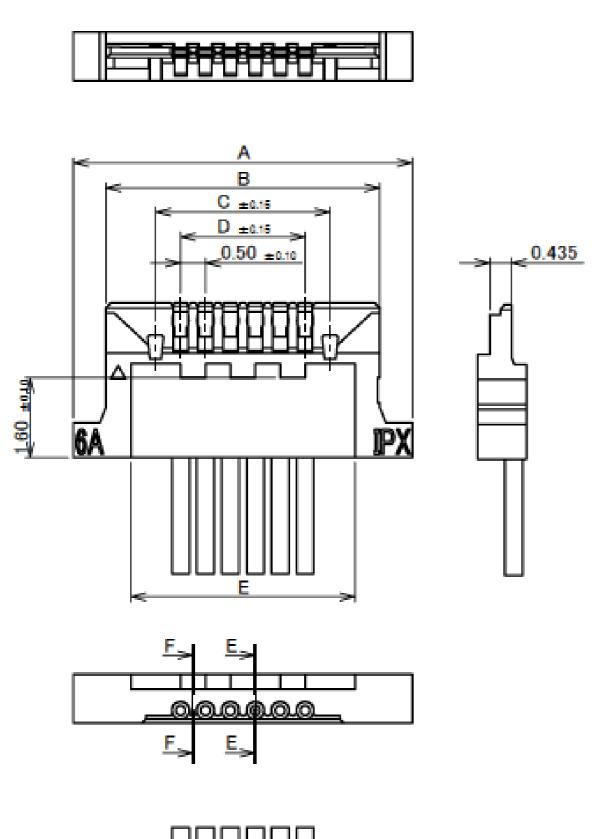
Component Parts Details

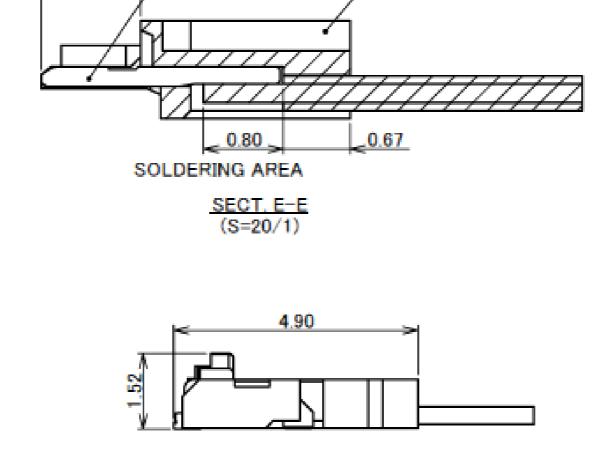
Plug for Cable Assembly



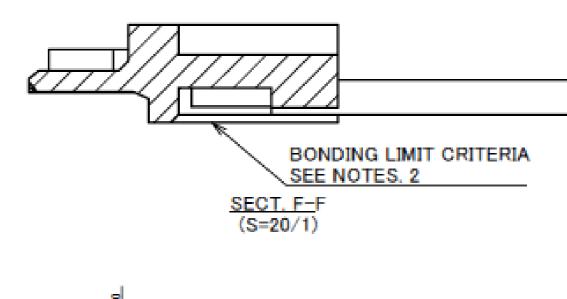
BONDING AREA

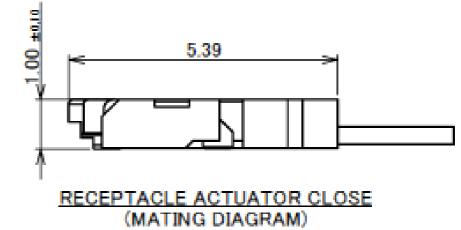
PART No.	POS.	Α	В	С	D	Е	
20598-006T-02	6	6.80	5.50	3.50	2.50	4.50	
20598-008T-02	8	7.80	6.50	4.50	3.50	5.50	
20598-010T-02	10	8.80	7.50	5.50	4.50	6.50	
◆20598-020T-02	20	13.80	12.50	10.50	9.50	11.50	
♦MARK MEANS NOT AVAILABLE							





(MATING DIAGRAM)





NOTES.

1. DO NOT PULL THE CABLE WHEN UN-MATING CONNECTORS
2. BONDING MUST NOT EXCEED THE LIMIT CRITERIA

TABLE. 1		
PART NO.	FINISH	
DOEDD ONT OD	CONTACT AREA: Au 0.1 µm MIN. OVER Ni 1.0 µm MIN.	
20598-0**T-02	SOLDERING AREA: Au 0.03 µm MIN. OVER Ni 1.0 µm MIN.	

2	2 CONTACT PHOSPHOR BRONZE		SEE TABLE. 1						
1	HOUSING	LCP	UL94V-0, BLACK						
NO.	DISCRIPTION	MATERIAL	FINISH, REMARKS						



Plug for Cable Assembly

PART No.	POS.	D							N+2 0		
20598-006T-02	6	2.50			۲	€			0+2.0 0 ±02		>
20598-008T-02	8	3.50		0.50			-		/ ±02	->	LAMINATE TAPE
20598-010T-02	10	4.50		0,50 ±0.1	+			—			./
◆20598-020T-02	20	9.50			-						<u> </u>
◆MARK MEANS N	IOT AVAI	LABLE	$\frac{\phi_{0.20} \stackrel{+0.05}{-0.02}}{\text{(AFTER SOLDERING- COAT)}}$	£~4)		0.80					 CENTER CONDUCTOR (SOLDERING COAT) CUT LINE INSULATOR
				50 #				i		$ \cdot $	

DISCRETE CABLE AWG#34

RECOMMENDED DISCRETE CABLE DIMENSION

D+1.5 -0.0

ITEMS	SPECIFICATION
APPLICABLE CABLE	DISCRETE: AWG#34
RATING VOLTAGE	50V AC (PER CONTACT)
RATING AMPERAGE	0.7A DC [AWG#34] (PER CONTACT)
OPERATING TEMPERATURE	233~358K(-40°C~85°C)
OPERATING HUMIDITY	80% MAX.
CONTACT RESISTANCE	INITIAL: 40mohm MAX. / AFTER TEST: ∠20mohm MAX.
INSULATION RESISTANCE	INITIAL: 1000Mohm MIN. / AFTER TEST: 500Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC200V 1min
DURABILITY	20TH CYCLES
ACTUATOR LOCKING FORCE (INITIAL / 20TH CYCLES)	INITIAL/ 20TH CYCLES: $0.6N(61gf) \times (n + 2) MAX$.
ACTUATOR UNLOCKING FORCE (INITIAL / 20TH CYCLES)	INITIAL/ 20TH CYCLES: $0.05N(5gf) \times (n + 2)$ MIN.
PLUG RETENTION FORCE (INITIAL / AFTER TEST)	INITIAL: $0.15N(15gf) \times n + 2.0N MIN. / AFTER TEST: 0.15N(15gf) \times n + 1.0N MIN.$
PRODUCT SPECIFICATION	PRS-1880
TEST REPORT	TR-13103
PACKING STANDARD	PST-14006
INSTRUCTION MANUAL	HIM-14010
ASSEMBLY MANUAL	ASM-12002
APPEARANCE CRITERIA No.	QLS-A***

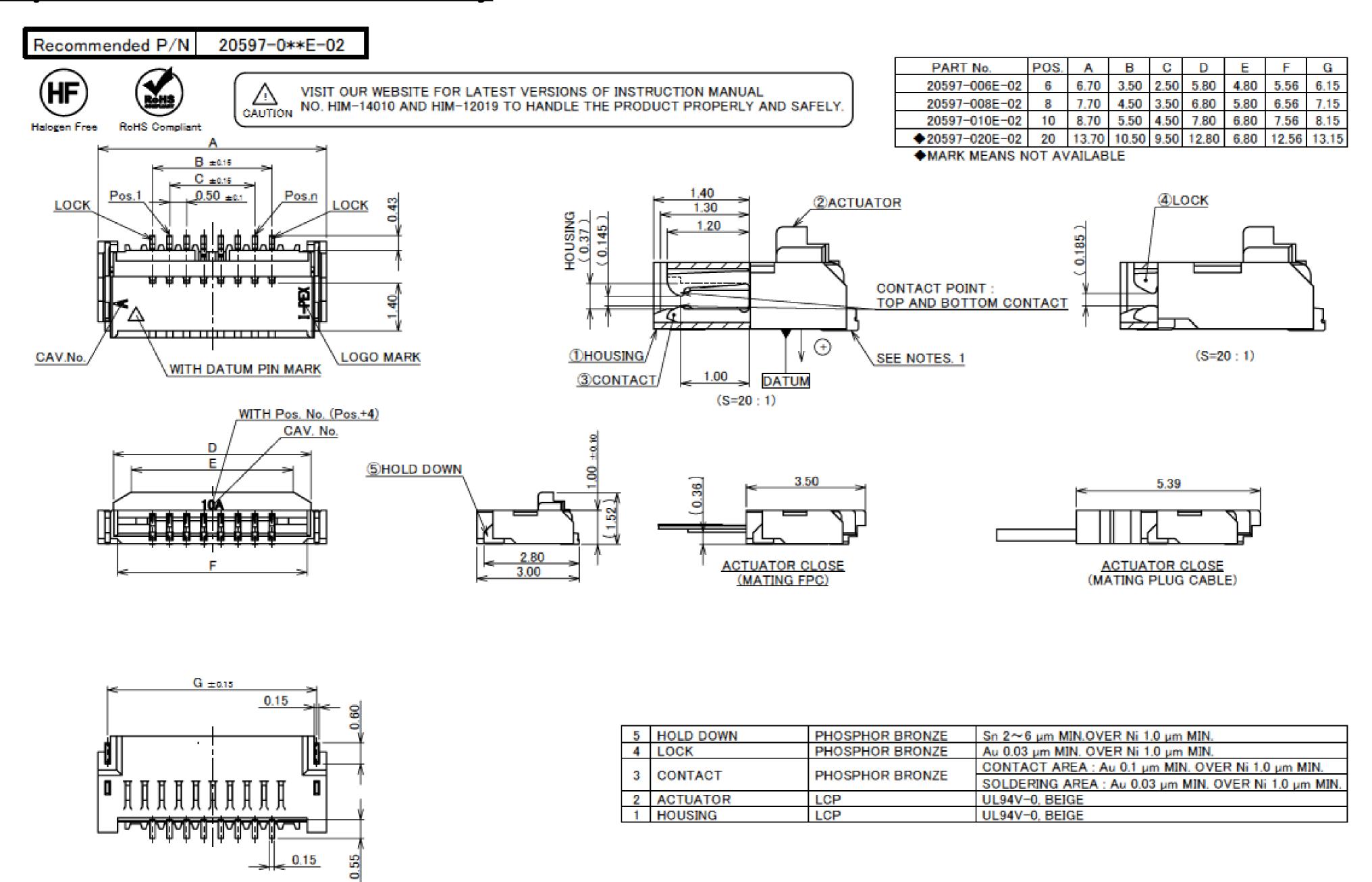
% "n" IS THE NUMBER OF PIN

LAMINATE TAPE



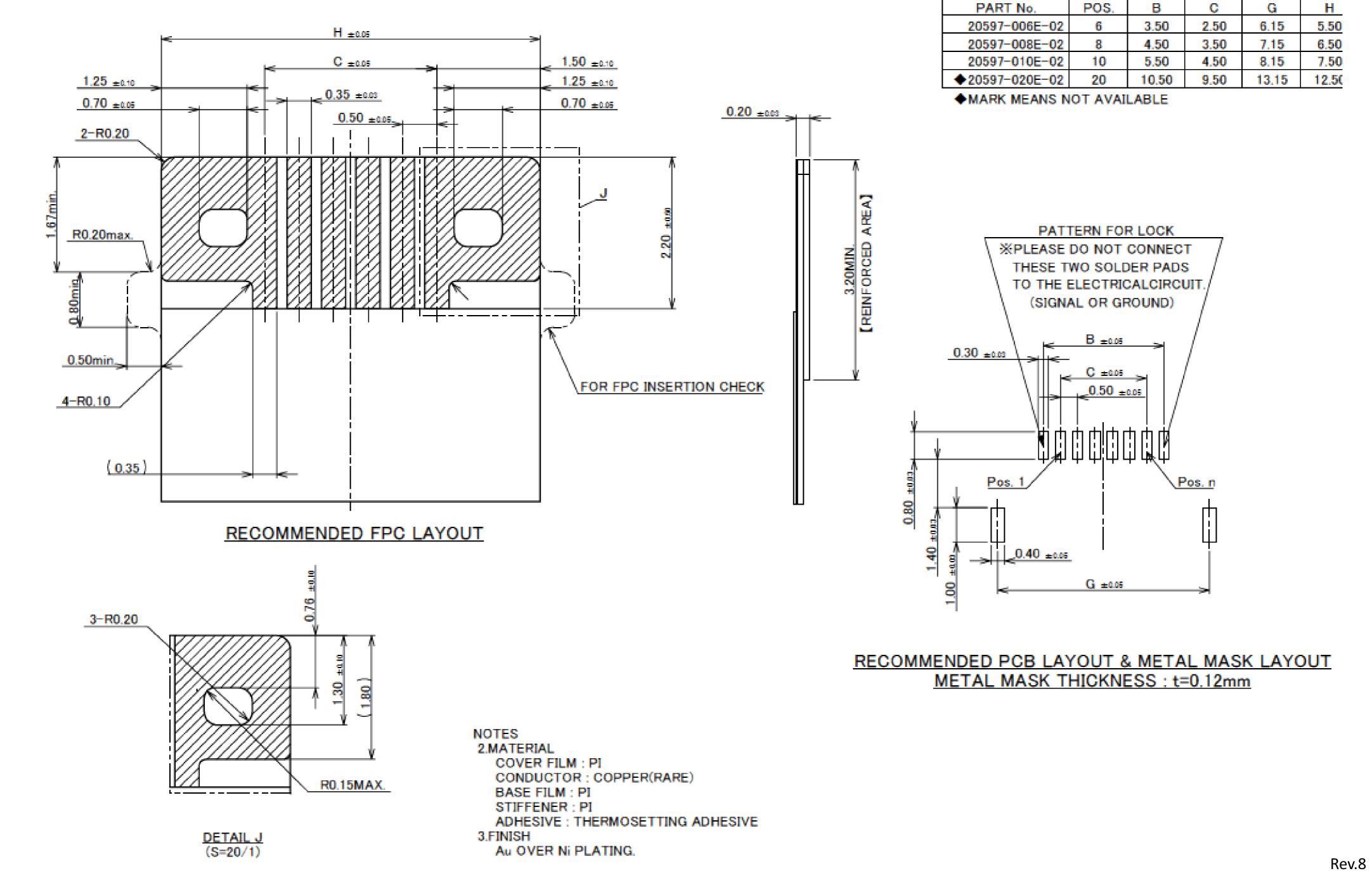
Rev.4

Receptacle for Cable Assembly

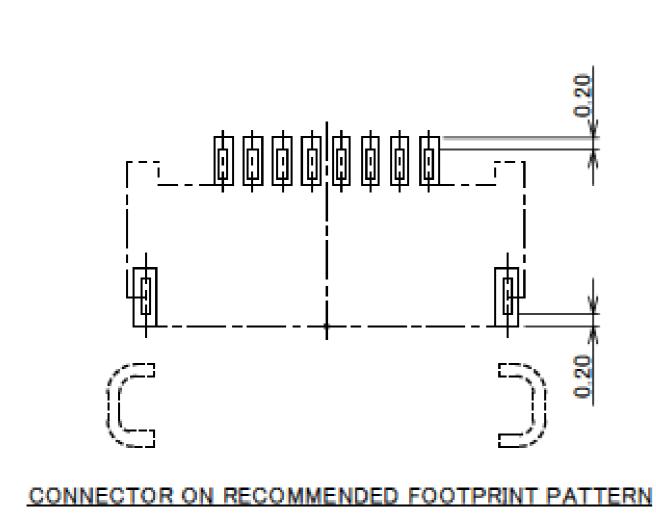


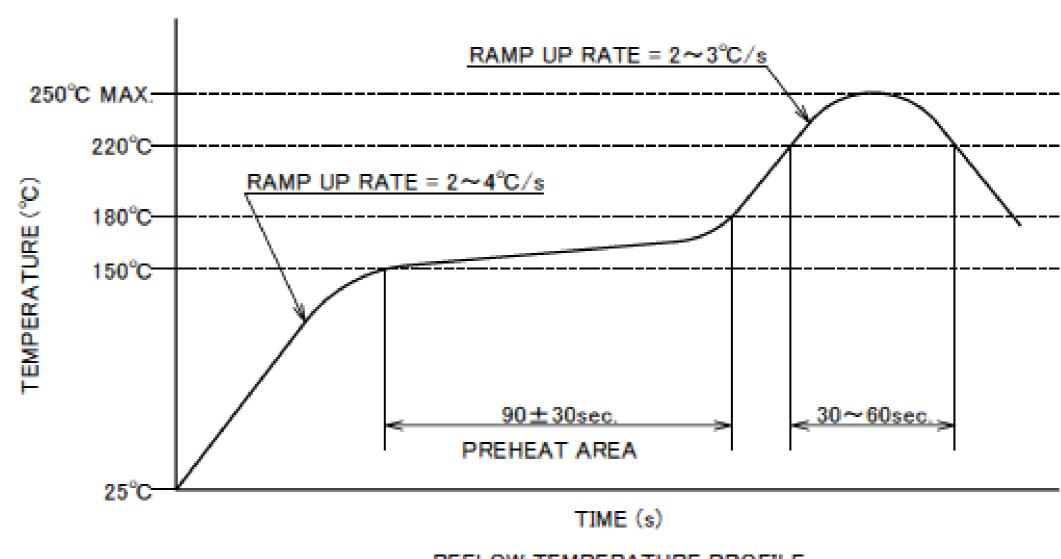
NOTES
1. CONTACT TAIL IS PROJECTION FROM HOUSING IN THE + DIRECTION. (0~0.06)

Rev.8



Receptacle for Cable Assembly





REFLOW TEMPERATURE PROFILE
SENJU METAL INDUSTRY CO., LTD.: M705-SHF(Sn96,5 Ag3,0 Cu0,5)

Rev.8

ITEMS	SPECIFICATION
RATING VOLTAGE	50V AC (PER CONTACT)
RATING AMPERAGE	0.5A DC [FPC] (PER CONTACT) 0.7A DC [AWG#34] (PER CONTACT)
OPERATING TEMPERATURE	233~358K(−40°C~85°C)
OPERATING HUMIDITY	80% MAX.
CONTACT RESISTANCE	INITIAL: 40mohm MAX. / AFTER TEST: 20mohm MAX.
INSULATION RESISTANCE	INITIAL: 1000Mohm MIN. / AFTER TEST: 500Mohm MAX. (PLUG CABLE) 100Mohm MIN. (FPC)
DIELECTRIC WITHSTANDING VOLTAGE	AC200V 1min
DURABILITY	20TH CYCLES
ACTUATOR LOCKING FORCE (INITIAL / 20TH CYCLES)	INITIAL/ 20TH CYCLES: 0.6N(61gf) × (n + 2) MAX.
ACTUATOR UNLOCKING FORCE (INITIAL / 20TH CYCLES)	INITIAL/ 20TH CYCLES: $0.05N(5gf) \times (n + 2) MIN$.
PLUG AND FPC RETENTION FORCE (INITIAL / AFTER TEST)	INITIAL: $0.15N(15gf) \times n + 2.0N MIN. / AFTER TEST: 0.15N(15gf) \times n + 1.0N MIN.$
COPLANARITY	0.08 MAX.
PRODUCT SPECIFICATION	PRS-1880
TEST REPORT	TR-13103
PACKING STANDARD	PST-13047
INSTRUCTION MANUAL	HIM-14010 (FOR MATING PLUG CABLE) HIM-12019 (FOR MATING FPC)
APPEARANCE CRITERIA No.	QLS-A***

% "n" IS THE NUMBER OF PIN



Custom
Connectors
Available

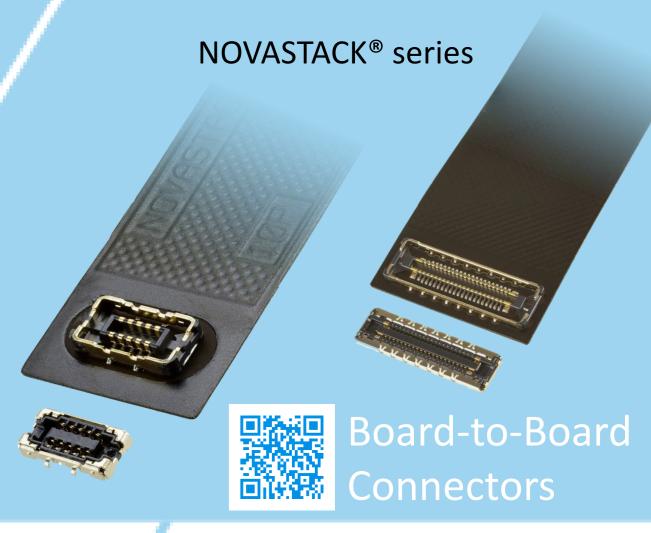




AP series







MINIFLEX® series











EVAFLEX® series



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