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)		0.5		FPC/FFC Contact	0.5	
Wiping Length (mm)		1		Pitch	0.5	
	Height	1.0 +/- 0.1		FPC/FFC Contact		
Size (mm)	Width	Formula: 3.8+(0.5*?p)	Formula: 3.7+(0.5*?p)	Point	Top and Bottom	
	Depth	Open: Mating FPC : 3.0 Mating PLUG CABLE : 4.9		FPC/FFC		
		Close: Mating FPC: 3.5 Mating PLUG CABLE: 5.39		Thickness (mm)	0.2 +/- 0.03	
Din sounts	Range	6-20 (even)				
Pin counts	Available	6, 8, 10				

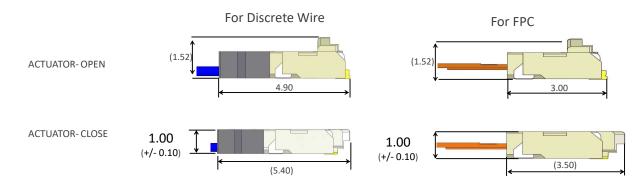
^{*} Please inquire for pin counts not listed or outside of the pin count range.

Hybrid connector for discrete wire and FPC

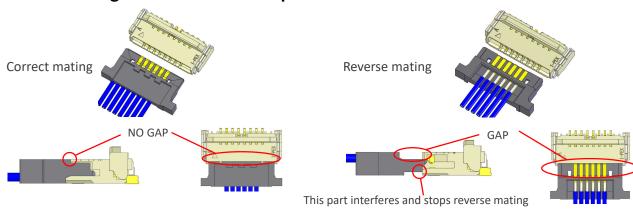


Smallest in class at 1.0 mm height

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



Anti-reverse mating structure reduces operational error

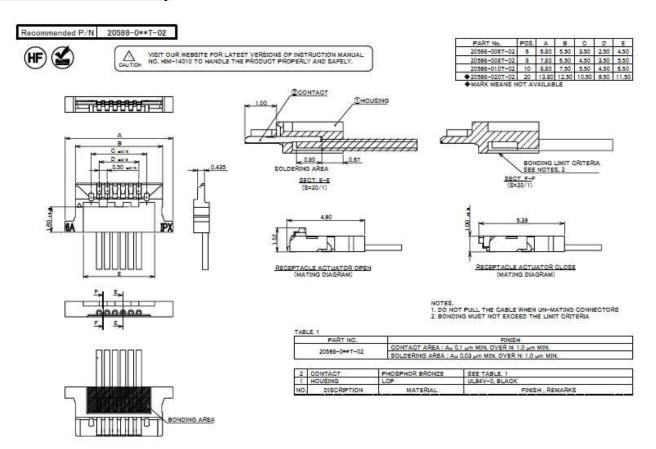




FPC/FFC Connector

Component Parts Details

Plug for Cable Assembly





Rev.3

Plug for Cable Assembly

PART No.	POS.	D						D+2.0			
20598-006T-02	6	2.50				<		D ±0.2			1
20598-008T-02	8	3.50	-1		0.50		~	D ±0.2		7	LAMINATE TAPE
20598-010T-02	10	4.50			0.50 ±01	1 3	> <	70 N			X
◆20598-020T-02	20	9.50	<u>.</u>				-	-		¥	
◆20598-020T-02 ◆MARK MEANS N			$\phi_{0.20}^{-205}$ (AFTER SOLDERING- COAT) $\phi_{0.32}$		150 ass ≥< (4~7) >>	€ 080 km					ENTER CONDUCTOR OLDERING COAT) TUT LINE NSULATOR
					¥	7//				1///	1
						1///	///	///	///	////	1

DISCRETE CABLE AWG#34

Rev.3

ITEMS	SPECIFICATION
APPLICABLE CABLE	DISCRETE : AWG#34
RATING VOLTAGE	50V AC (PER A CONTACT)
RATING AMPERAGE	0.7A DC [AWG#34] (PER A CONTACT)
OPERATING TEMPERATURE	233~358K(-40°C~85°C)
OPERATING HUMIDITY	80% MAX.(NON-CONDENSING)
CONTACT RESISTANCE	INITIAL: 40mohm MAX. / AFTER TEST:
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) × (n + 2) MAX
ACTUATOR UNLOCKING FORCE (INITIAL / 20TH CYCLES)	INITIAL/20TH CYCLES: 0.05N(5gf) × (n + 2) MIN.
PLUG RETENTION FORCE (INITIAL / AFTER TEST)	INITIAL: 0.15N(15gf) × n + 2.0N MIN. / AFTER TEST: 0.15N(15gf) × n + 1.0N MIN
PRODUCT SPECIFICATION	PRS-1880
TEST REPORT	TR-13103
PACKING STANDARD	PST-14006
INSTRUCTION MANUAL	HIM-14010
ASSEMBLY MANUAL	ASM-12002

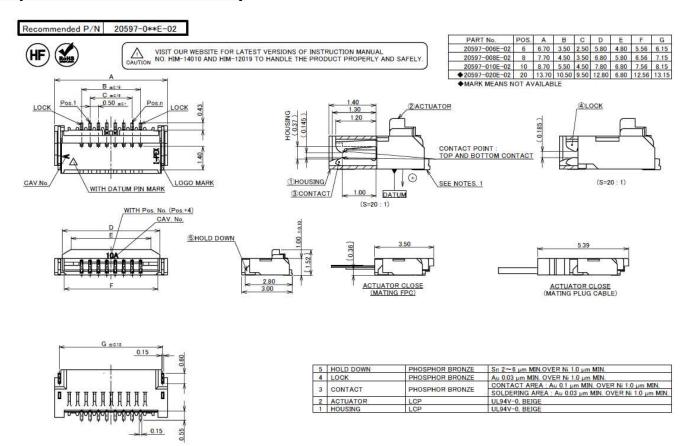
※ "n" IS THE NUMBER OF PIN

LAMINATE TAPE

RECOMMENDED DISCRETE CABLE DIMENSION

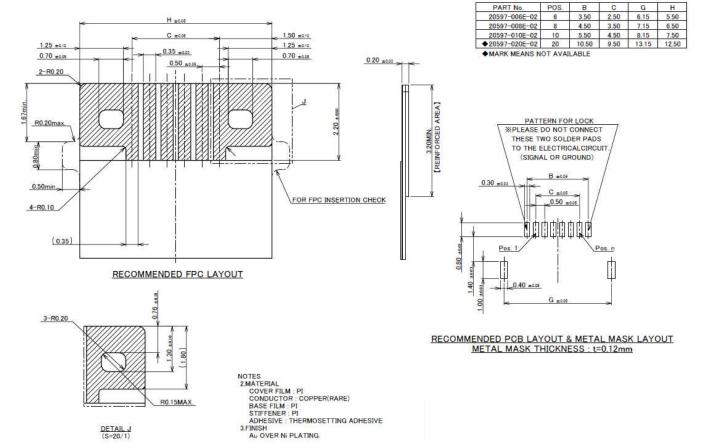


Receptacle for Cable Assembly



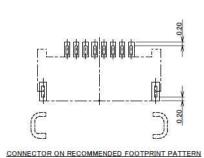
NOTES 1. CONTACT TAIL IS PROJECTION FROM HOUSING IN THE + DIRECTION, $\langle 0{\sim}0.06\rangle$

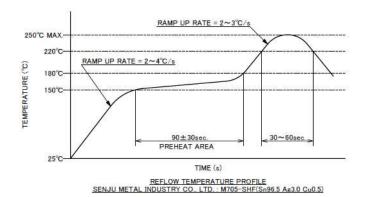
Rev.7





Receptacle for Cable Assembly





Rev.7

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.(NON-CONDENSING)				
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) × (n + 2) MIN.				
PLUG AND FPC RETENTION FORCE (INITIAL / AFTER TEST)	INITIAL: 0.15N(15gf) × n + 2.0N MIN. / AFTER TEST: 0.15N(15gf) × 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





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