NOVASTACK® 35-HDN

Ideal for 5G mmWave antenna module and devices, fully-shielded and narrow design, Power supply is available with Corson Alloy contact, 0.35 mm pitch, 0.7 mm height

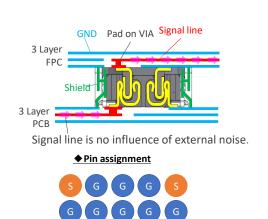
Board Pitch (mm) Wiping Length (mm) 0.14 Height 0.7 +/- 0.05 Mated Size Formula: 4.15 (10 P), 5.90 (20 P), 7.90 (30 P) Width (mm) 2.15 mm Depth DC ~ 15 GHz 1.0 A / pin (Max. 10 P) Signal Current (12 P and over: 12.0 A AC/DC (Total)) Rating Power 10 - 60 Range

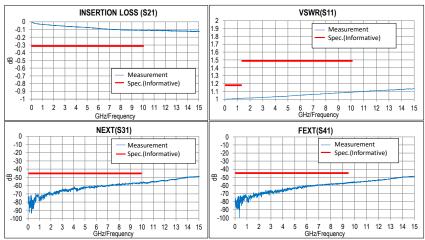




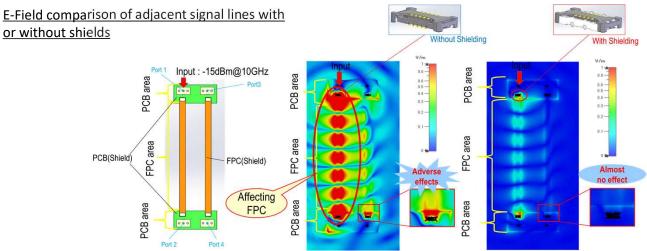


Ideal for high frequency applications (5G mmWave, USB4 / Thunderbolt 4, etc.)





ZenShield® fully-shielded design, decreases EMI issue caused by 5G applications



Narrow depth and low height, fully-shielded board-to-board connector

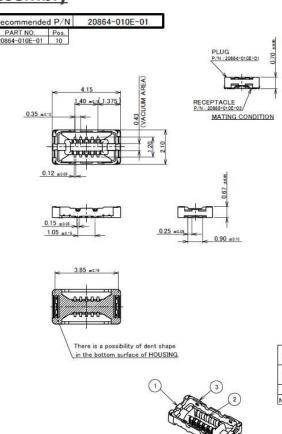


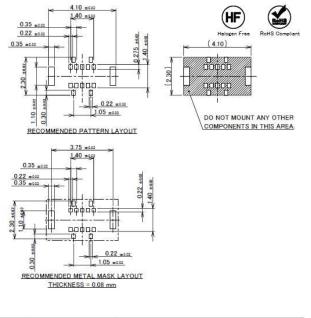


NOVASTACK 35®-HDN

Component Parts Detail

Plug Assembly



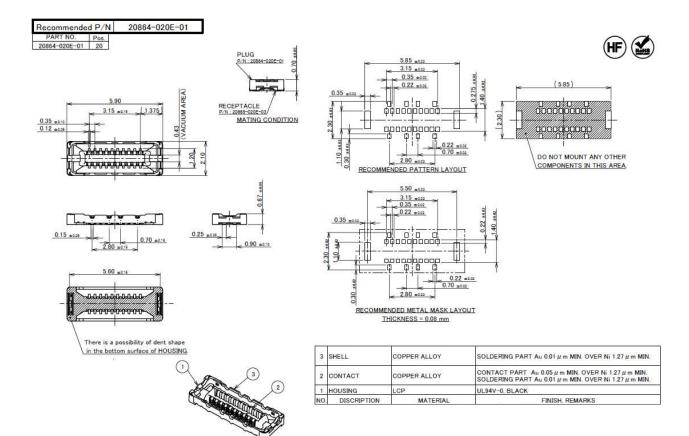


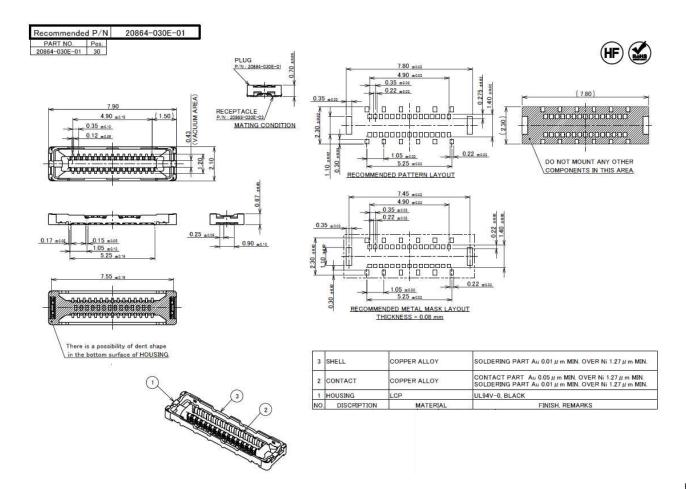
3	SHELL	COPPER ALLOY	SOLDERING PART Au 0.01 μ m MIN. OVER Ni 1.27 μ m MIN.
2	CONTACT	COPPER ALLOY	CONTACT PART Au 0.05 μ m MIN. OVER Ni 1.27 μ m MIN. SOLDERING PART Au 0.01 μ m MIN. OVER Ni 1.27 μ m MIN.
1	HOUSING	LCP	UL94V-0, BLACK
NO	DISCRIPTION	MATERIAL	FINISH, REMARKS





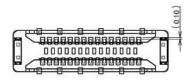
Plug Assembly



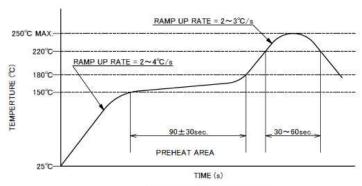




Plug Assembly



CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN

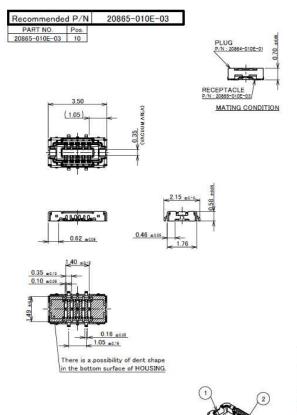


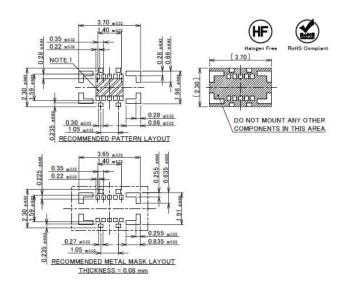
REFLOW TEMPERATURE PROFILE SENJU METAL INDUSTRY CO., LTD.: M705-SHF(Sn96.5 Ag3.0 Cu0.5)

ITEMS	SPECIFICATION
APPLICABLE CONNECTOR PART No.	20865-0**E-**
RATING VOLTAGE	60V AC(r.m.s) / DC (PER CONTACT PIN)
RATING AMPERAGE (FOR SIGNAL CONTACT)	10P:1.0 A MAX. AC/DC x PIN COUNTS = 10.0 A (TOTAL) 12P AND OVER : 12.0 A AC/DC (TOTAL)
OPERARING TEMPERATURE	233~358K(-40°C~85°C)
OPERATING HUMIDITY	85% MAX.(NON-CONDENDING)
CONTACT RESISTANCE (FOR SIGNAL CONTACT)	INITIAL: 40mohm MAX. / AFTER TEST: △40mohm MAX.
CONTACT RESISTANCE (FOR GROUND)	INITIAL : 20mohm MAX. / AFTER TEST : △20mohm MAX.
INSULATION RESISTANCE	INITIAL: 1,000Mohm MIN. / AFTER TEST: 500Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min
DURABILITY	10 CYCLES
MATING FORCE (INITIAL / AFTER TEST)	INITIAL 2.0N/Pin MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	10 CYCLES 0.15N/Pin MIN.
COPLANARITY	0.08 MAX
PRODUCT SPECIFICATION	PRS-2607
TEST REPORT	TR-19055
PACKING STANDARD	PST-18022
INSTRUCTION MANUAL	HiM-18019
APPEARANCE CRITERIA No.	QLS-A***



Receptacle Assembly

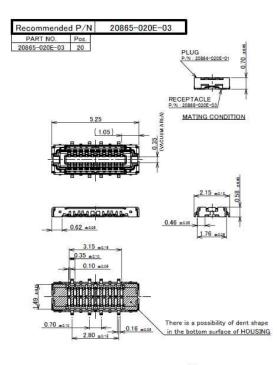


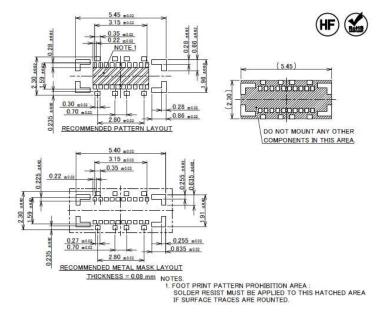


NOTES.

1. FOOT PRINT PATTERN PROHIBITION AREA:
SOLDER RESIST MUST BE APPLIED TO THIS HATCHED AREA
IF SURFACE TRACES ARE ROUNTED.

NO.	HOUSING DISCRIPTION	LCP MATERIAL	UL94V-0 BLACK FINISH, REMARKS
	CONTACT	COPPER ALLOY	CONTACT PART Au 0.05μ m MIN. OVER Ni 1.27μ m MIN. SOLDERING PART Au 0.01μ m MIN. OVER Ni 1.27μ m MIN
3	SHELL	COPPER ALLOY	SOLDERING PART Au 0.01 μ m MIN. OVER Ni 1.27 μ m MIN





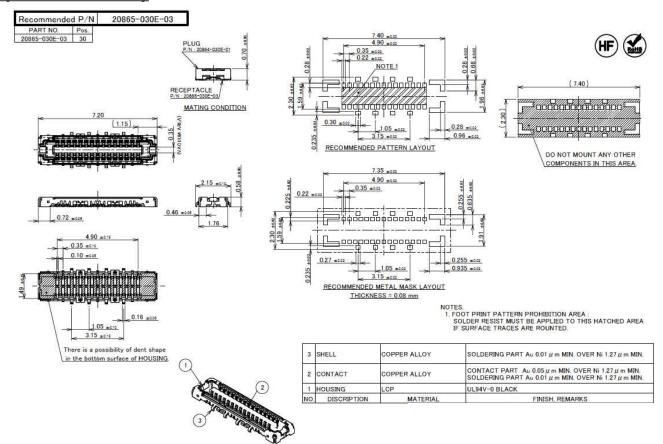
3	SHELL	COPPER ALLOY	SOLDERING PART Au 0.01 μ m MIN. OVER Ni 1.27 μ m MIN.
2	CONTACT	COPPER ALLOY	CONTACT PART Au 0.05 μ m MIN, OVER Ni 1.27 μ m MIN, SOLDERING PART Au 0.01 μ m MIN, OVER Ni 1.27 μ m MIN.
1	HOUSING	LCP	UL94V-0 BLACK
NO.	DISCRIPTION	MATERIAL	FINISH, REMARKS

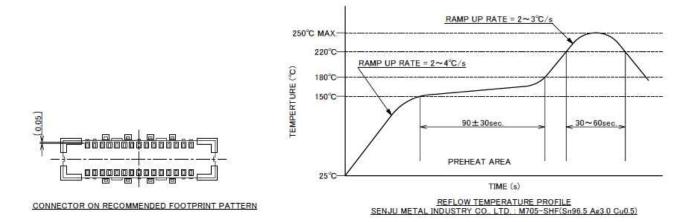






Receptacle Assembly







Receptacle Assembly

ITEMS	SPECIFICATION
APPLICABLE CONNECTOR PART No.	20864-0**E-**
RATING VOLTAGE	60V AC(r.m.s) / DC (PER CONTACT PIN)
RATING AMPERAGE (FOR SIGNAL CONTACT)	10P:1.0 A MAX. AC/DC x PIN COUNTS = 10.0 A (TOTAL) 12P AND OVER: 12.0 A AC/DC (TOTAL)
OPERARING TEMPERATURE	233~358K(-40°C~85°C)
OPERATING HUMIDITY	85% MAX.(NON-CONDENDING)
CONTACT RESISTANCE (FOR SIGNAL CONTACT)	INITIAL : 40mohm MAX. / AFTER TEST : ∠40mohm MAX.
CONTACT RESISTANCE (FOR GROUND)	INITIAL : 20mohm MAX. / AFTER TEST : △20mohm MAX.
INSULATION RESISTANCE	INITIAL: 1,000Mohm MIN. / AFTER TEST: 500Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min
DURABILITY	10 CYCLES
MATING FORCE (INITIAL / AFTER TEST)	INITIAL 2.0N/Pin MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	10 CYCLES 0.15N/Pin MIN.
COPLANARITY	0.08 MAX.
PRODUCT SPECIFICATION	PRS-2607
TEST REPORT	TR-19055
PACKING STANDARD	PST-18023
INSTRUCTION MANUAL	HIM-18019
APPEARANCE CRITERIA No.	QLS-A***





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