

NOVASTACK® 35-HDH

1.5 mm height, 0.35 mm pitch, Fully-shielded and high-profile design,
High-speed 20 GHz ($\approx$ 40 Gbps)/lane transmission

Product Specifications:

Board Pitch (mm)		0.35
Wiping Length (mm)		0.33
Mated Size (mm)	Height	1.5 +/- 0.10
	Width	3.3+(0.35*?p/2)
	Depth	3.64
Current Rating	Signal	0.5A/pin (12.0A Max. (Total))
	Power	-
Pin Counts	Range	10 - 70
	Available	60

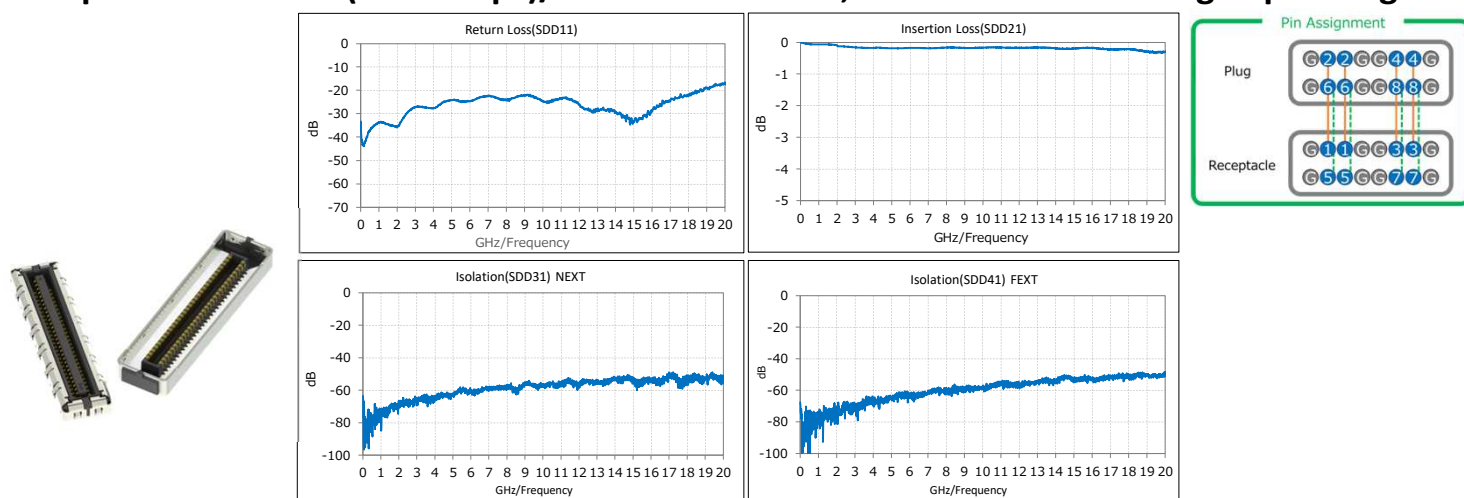
* Please inquire for pin counts not listed or outside of the pin count range.

Applicable Standards (Reference Only):

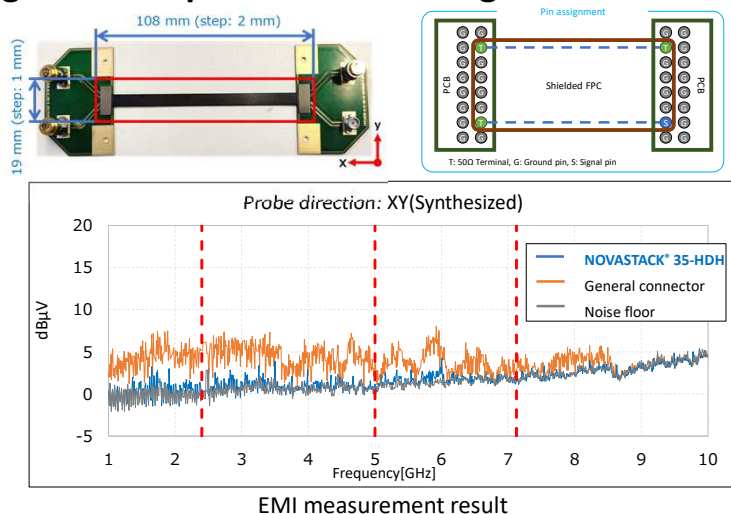
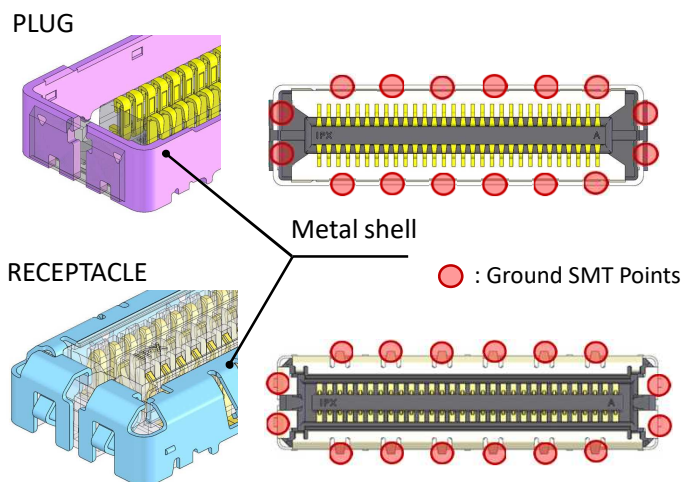
USB4 (20 Gbps/lane); USB 3.1 Gen 2 (10 Gbps); eDP HBR 3 (8.1 Gbps); eDP HBR 2 (5.4 Gbps); HDMI 2.0 (6 Gbps); V-By-One HS 1.4 (4 Gbps); MiPi standards



Capable of 20 GHz ($\approx$ 40 Gbps)/lane transmission, ideal for the latest high-speed signals



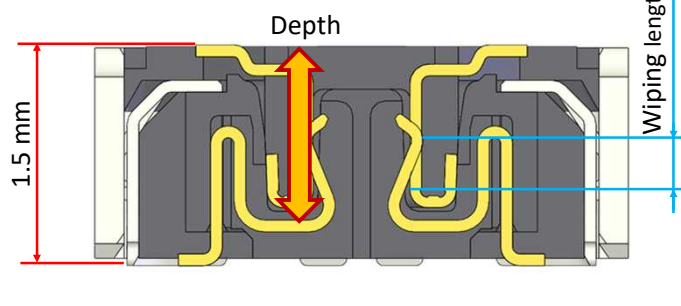
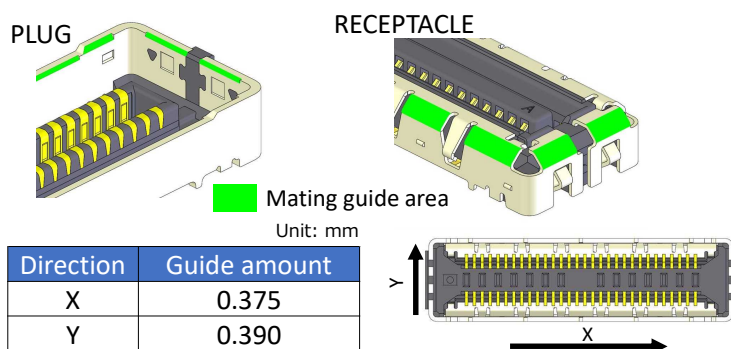
ZenShield® fully-shielded with multi-point grounds to prevent EMI leakage



High-profile connector designed for excellent mating workability

Guide to the proper mating position with large guide

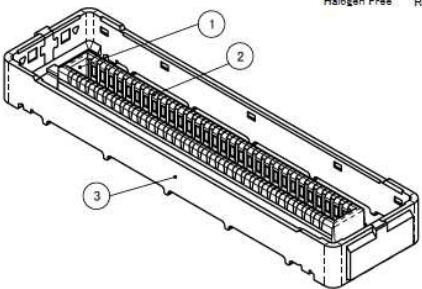
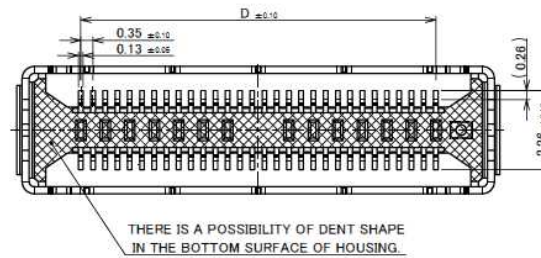
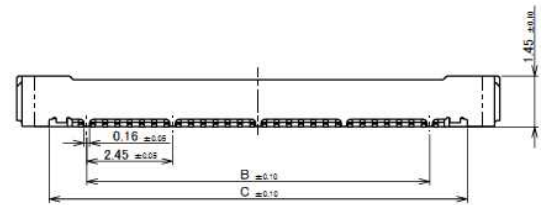
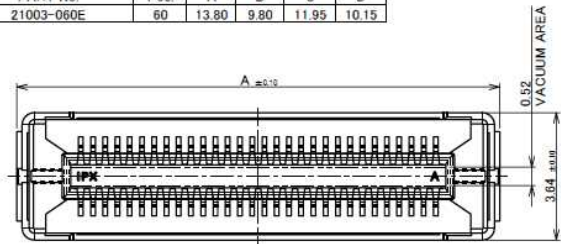
Long mating length provides high resistance to mating tilt



Component Parts Detail

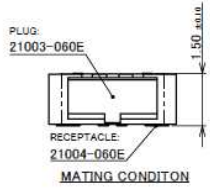
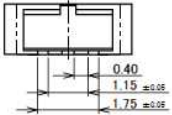
Plug Assembly

Recommended P/N		21003-060E				
PART No.	Pos.	A	B	C	D	
21003-060E	60	13.80	9.80	11.95	10.15	



Halogen Free

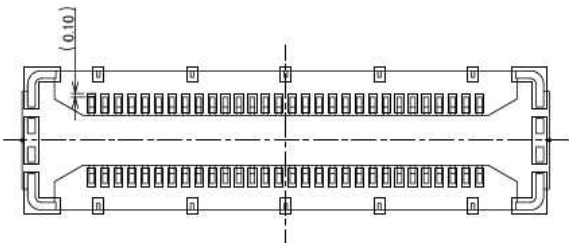
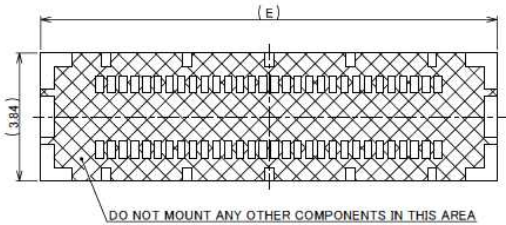
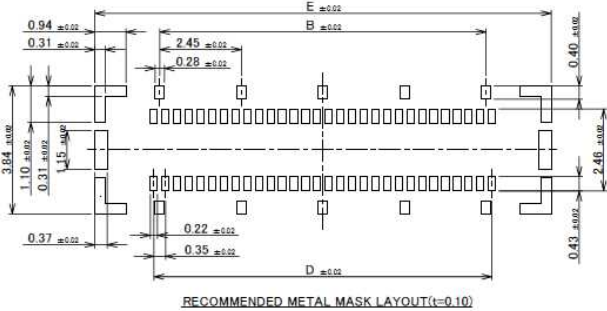
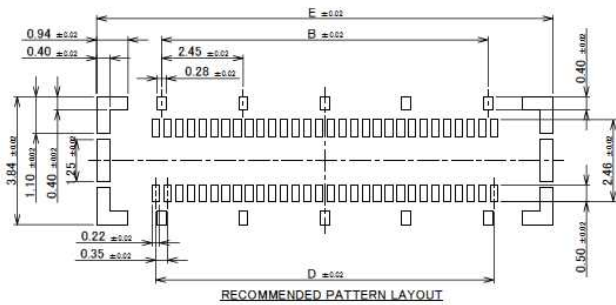
RoHS Compliant



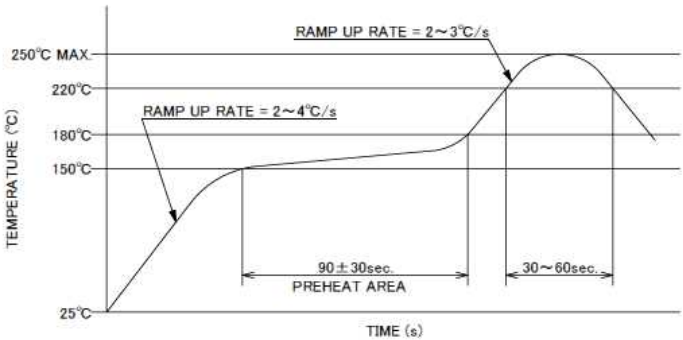
NO.	DESCRIPTION	MATERIAL	FINISH, REMAKS
3	SHELL	CORSON ALLOY	ALL Au 0.01 μ m MIN. OVER Ni 1.27 μ m MIN.
2	CONTACT	CORSON ALLOY	CONTACT AREA : Au 0.13 μ m MIN. OVER Ni 1.27 μ m MIN. SOLDERING AREA : Au 0.02 μ m MIN. OVER Ni 1.27 μ m MIN.
1	HOUSING	LCP	UL94V-0, BLACK

Plug Assembly

PART No.	Pos.	B	D	E
21003-060E	60	9.90	10.15	13.70



CONNECTOR ON RECOMMENDED FOOT PRINT PATTERN LAYOUT



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

Rev.1

Rev.1

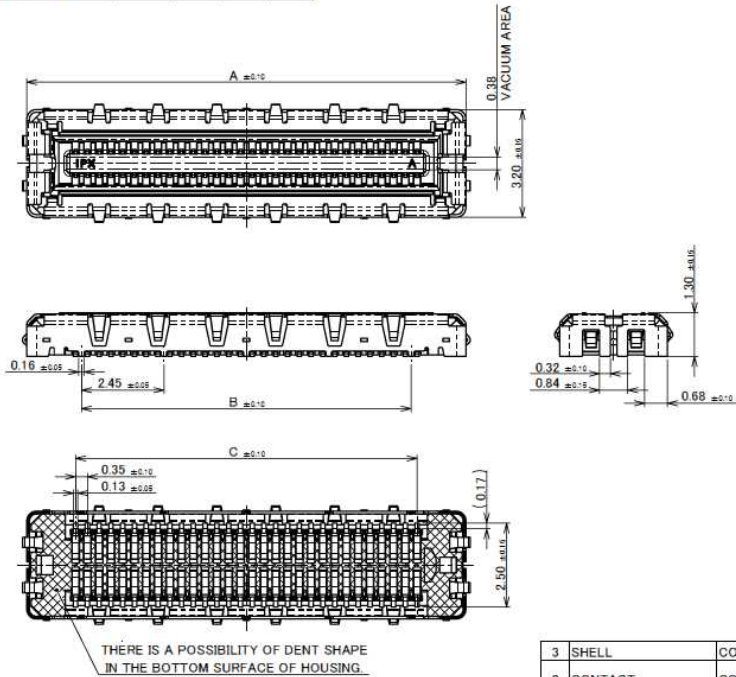
Plug Assembly

ITEMS	SPECIFICATION
APPLICABLE CONNECTOR PART No.	21004-060E
RATING VOLTAGE	60V AC (R.M.S.)/DC (PER CONTACT PIN)
RATING AMPERAGE (FOR SIGNAL CONTACT)	0.5A AC/DC (PER CONTACT PIN)/ 12.0A AC/DC(TOTAL)
OPERATING TEMPERATURE	233~358K(-40°C~+85°C) (CONTAINING TEMPERATURE RISE BY CURRENT)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE (FOR SIGNAL CONTACT)	INITIAL : 50mohm MAX. / AFTER TEST : $\triangle$ 150mohm MAX.
CONTACT RESISTANCE (FOR GROUND)	INITIAL : 20mohm MAX. / AFTER TEST : $\triangle$ 120mohm MAX.
INSULATION RESISTANCE	INITIAL : 1000Mohm MIN. / AFTER TEST : 500Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min
DURABILITY	20 CYCLES
MATING FORCE (INITIAL / AFTER TEST)	INITIAL 60N MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	20 CYCLES 6.0N MIN.
COPLANARITY	0.10mm MAX.
PRODUCT SPECIFICATION	PRS-2785
TEST REPORT	TR-22021
PACKING STANDARD	PST-21086
INSTRUCTION MANUAL	HIM-21015
APPEARANCE CRITERIA No.	QLS-A***

Rev.1

Receptacle Assembly

Recommended P/N	21004-060E
PART No.	Pos. A B C
21004-060E	60 13.05 9.80 10.15

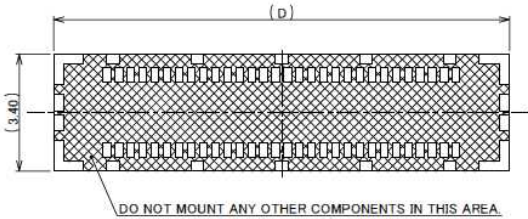
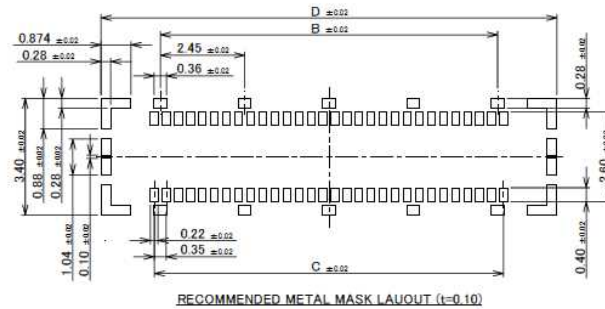
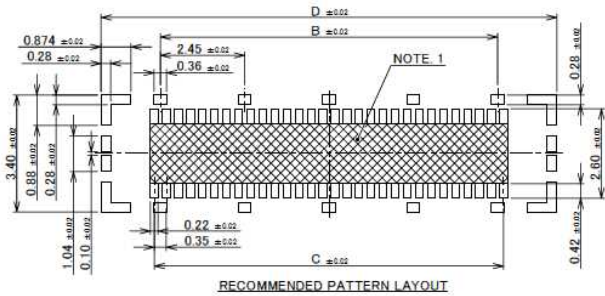


3	SHELL	CORSON ALLOY	ALL Au 0.01 μ m MIN. OVER Ni 1.27 μ m MIN.
2	CONTACT	CORSON ALLOY	CONTACT AREA: Au 0.13 μ m MIN. OVER Ni 1.27 μ m MIN. SOLDERING AREA: Au 0.02 μ m MIN. OVER Ni 1.27 μ m MIN.
1	HOUSING	LCP	UL94V-0, BLACK
NO.	DESCRIPTION	MATERIAL	FINISH, REMARKS

Rev.1

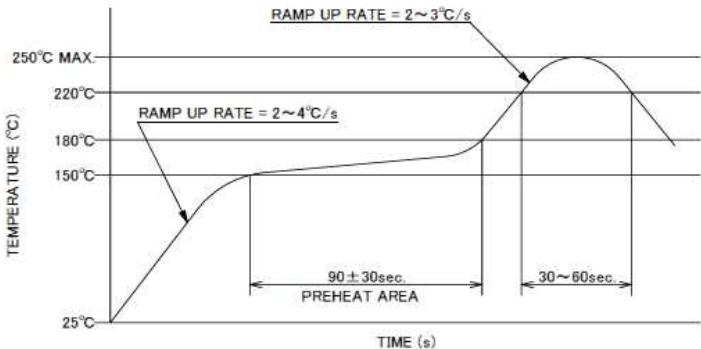
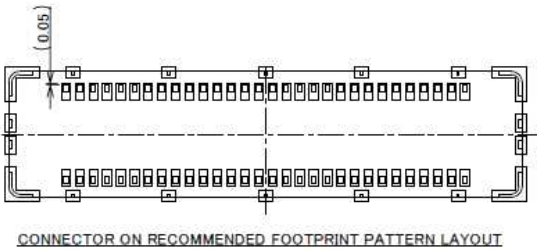
Receptacle Assembly

PART No.	Pos.	B	C	D
21004-060E	60	9.80	10.15	13.25



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

Rev.1



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

Rev.1

Receptacle Assembly

ITEMS	SPECIFICATION
APPLICABLE CONNECTOR PART No.	21003-060E
RATING VOLTAGE	60V AC (R.M.S.)/DC (PER CONTACT PIN)
RATING AMPERAGE (FOR SIGNAL CONTACT)	0.5A AC/DC (PER CONTACT PIN)/ 12.0A AC/DC(TOTAL)
OPERATING TEMPERATURE	233~358K(-40°C~+85°C) (CONTAINING TEMPERATURE RISE BY CURRENT)
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DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min
DURABILITY	20 CYCLES
MATING FORCE (INITIAL / AFTER TEST)	INITIAL 60N MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	20 CYCLES 6.0N MIN.
COPLANARITY	0.10mm MAX.
PRODUCT SPECIFICATION	PRS-2785
TEST REPORT	TR-22021
PACKING STANDARD	PST-21087
INSTRUCTION MANUAL	HIM-21015
APPEARANCE CRITERIA No.	QLS-A***

Rev.1

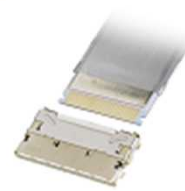
Board to
Board



High-Density



Autolocking
FPC/FFC



High-Density



FPC/FFC



Micro-Coaxial
/ Discrete Cable



High-Speed



RF



High-Frequency



Optical
Module



High-Speed



Power



High-Power



I/O
(Input/Output)



Quick charge



Effector



Custom
Connectors
Available

Inquiry



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