CABLINE®-CA IIF PLUS

Fully-shielded with mechanical lock, suitable for high-data-rate transfer (32 Gbps/lane),0.4 mm pitch, Horizontal mating type FPC plug connector

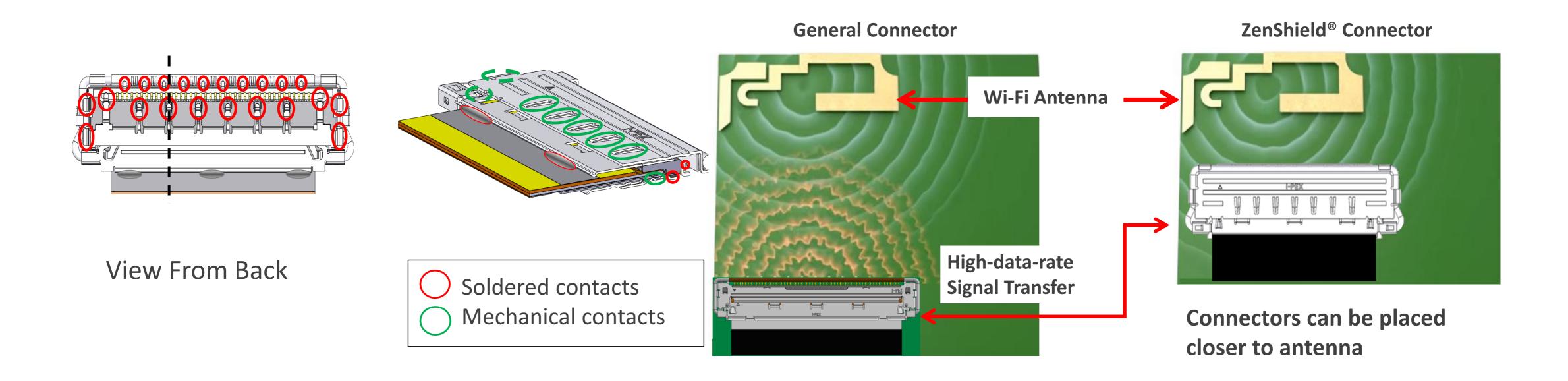
Product Specifications:				
Mating type		Horizontal		
Board Pitch (mm)		0.4		
Wiping Length (mm)		0.48		
Mated size (mm)	Height	1.2 max.		
	Width	30.95		
	Depth	7.24		
Pin Counts	Range	60		
	Available	60		

Applicable FPC			
FPC Type	Shielded FPC		
FPC Pitch (mm)	0.4		
FPC Contact Point	Тор		
CDC Thislenges (mans)	Contact Area: 0.25 +0.02/-0.03		
FPC Thickness (mm)	Ground Area: 0.37 +0.04/-0.06		
Applicable Standards (Reference Only):			
32 Ghns/Lane USB4 Gen4 (40 Ghns/Lane PAM3)			



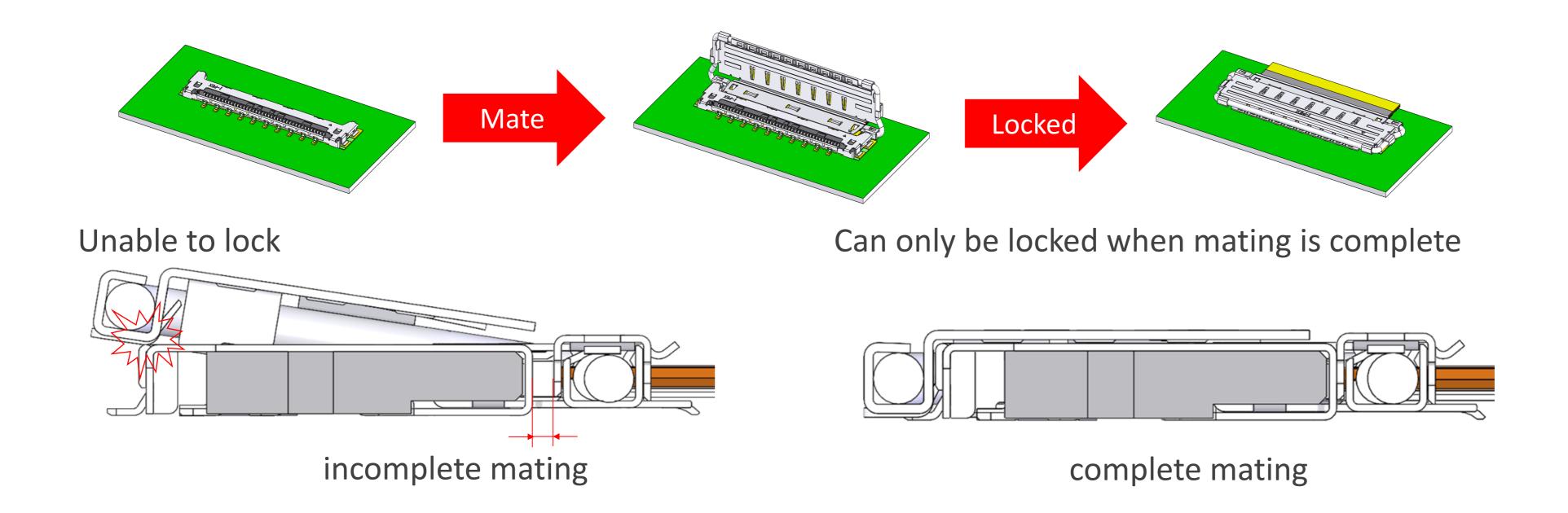


ZenShield® fully-shielded with multi-point grounds is ideal for EMC solutions



Display Port UHBR20 (20 Gbps/Lane)

Mechanical locking cover prevents incomplete mating and back-out/unmating



High-data-rate transfer, ideal for 32 Gbps/lane applications

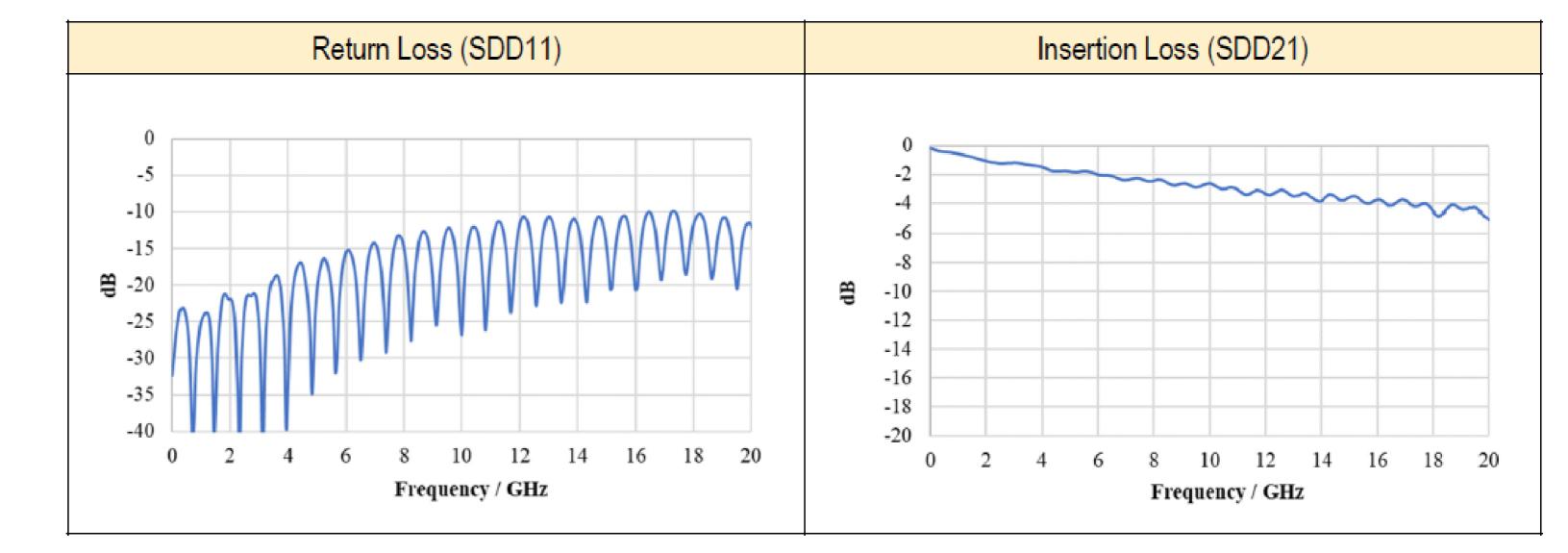
Measurement results

Connector: CABLINE-CA IIF 40P

FPC: Shielded FPC, Differential 90 ohm

Length: 100 mm

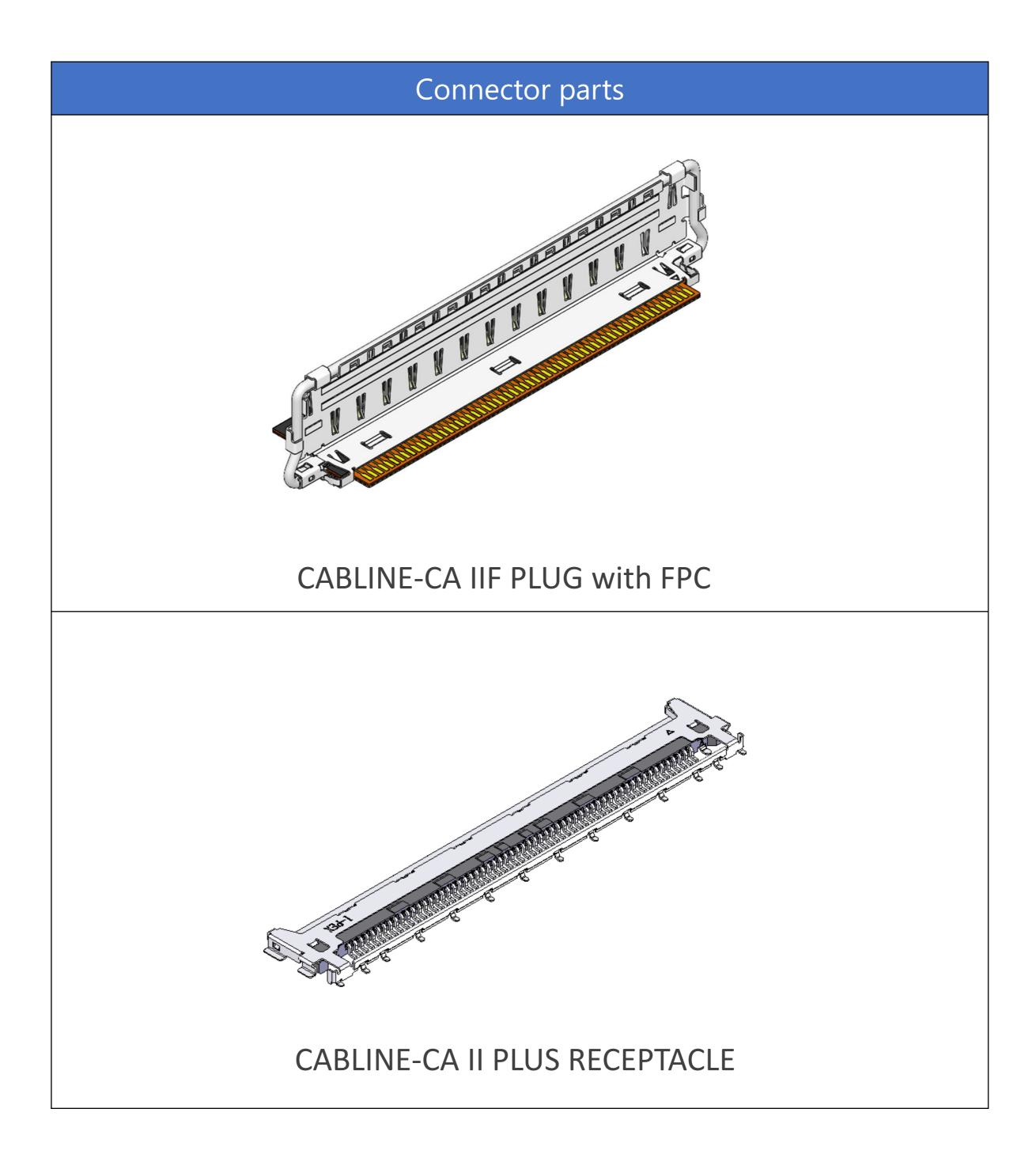
Pin Assignment: GSSGSSG





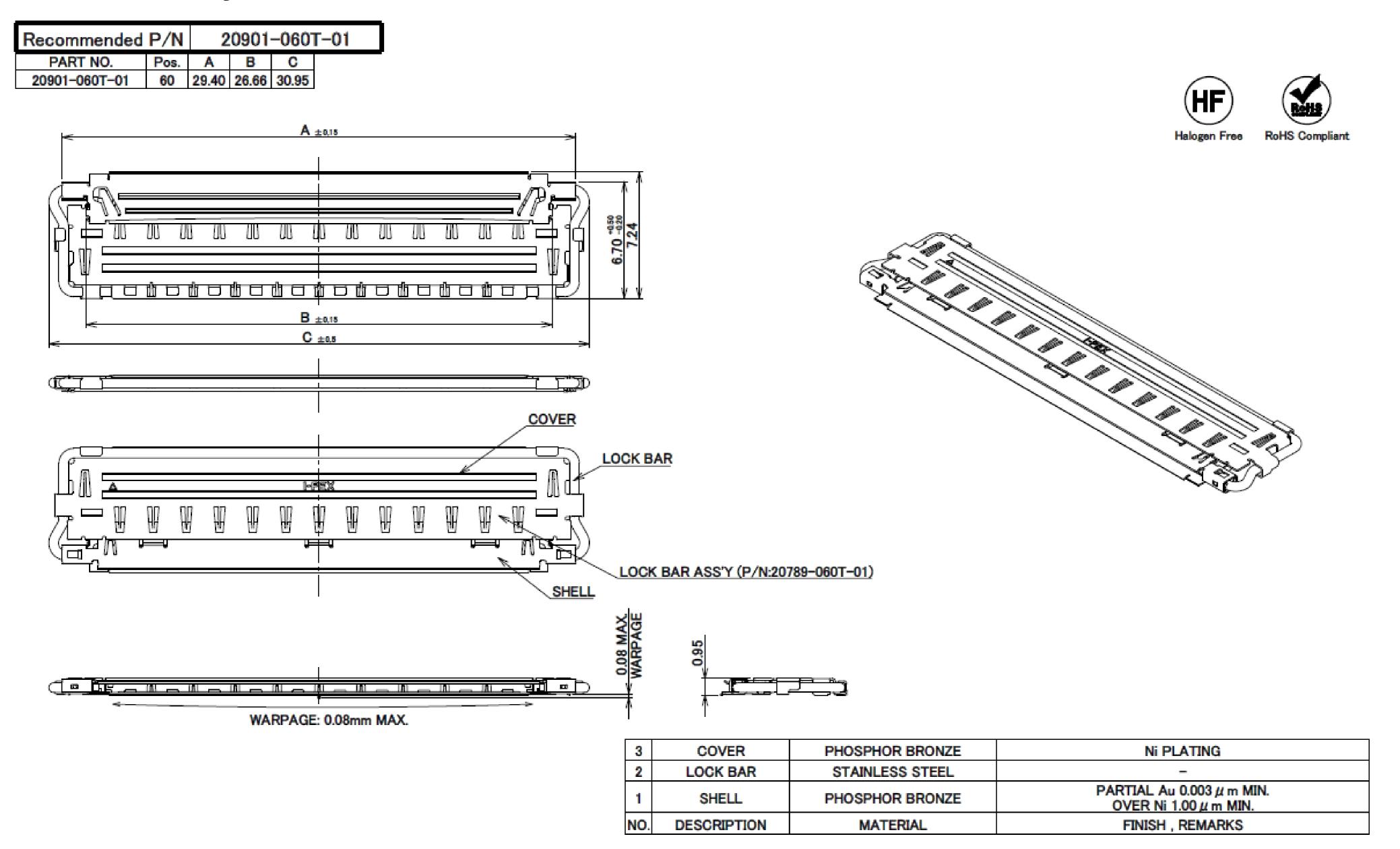
Component Parts Details

Component Parts

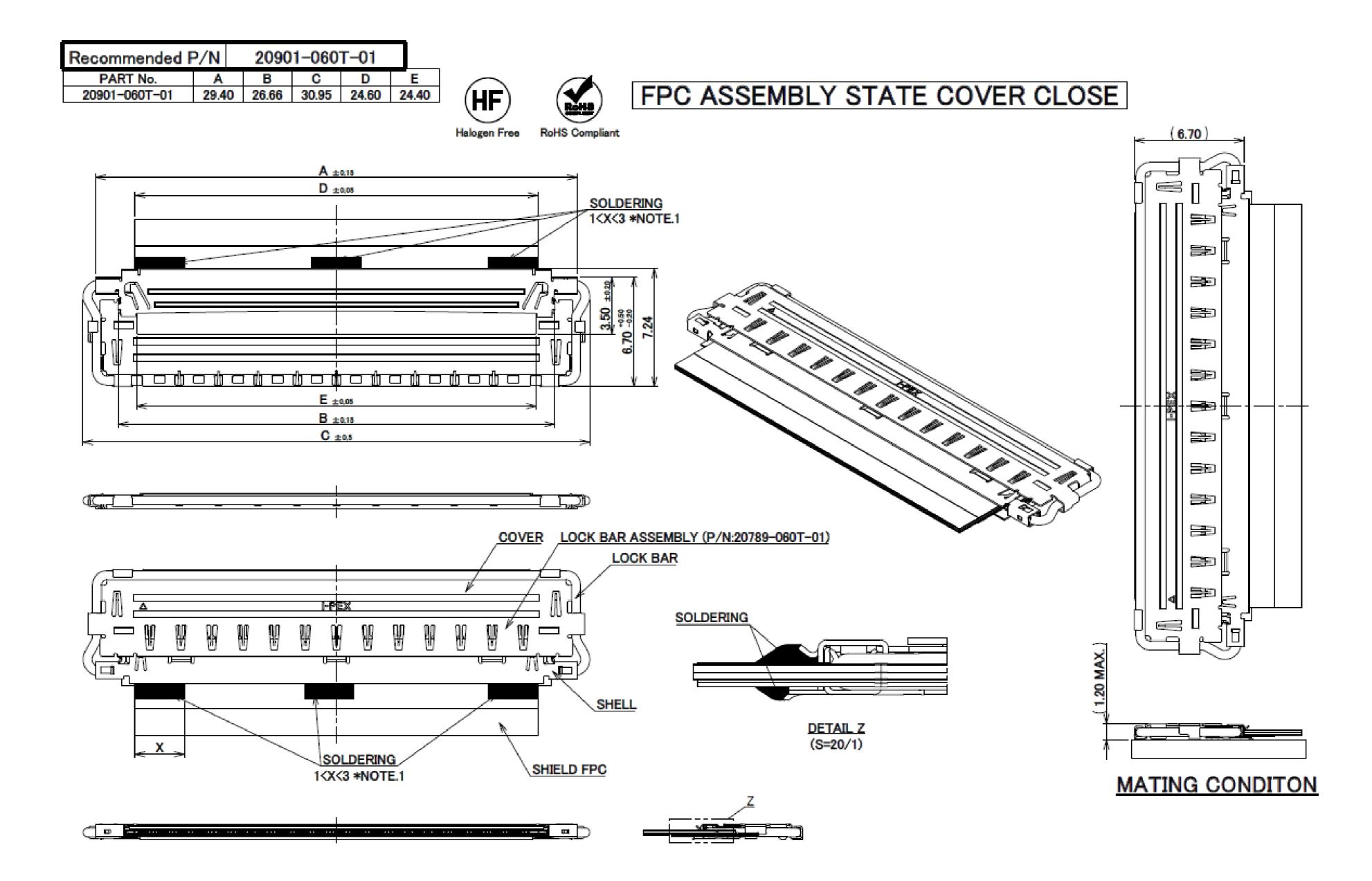




Shell Assembly



Rev.2



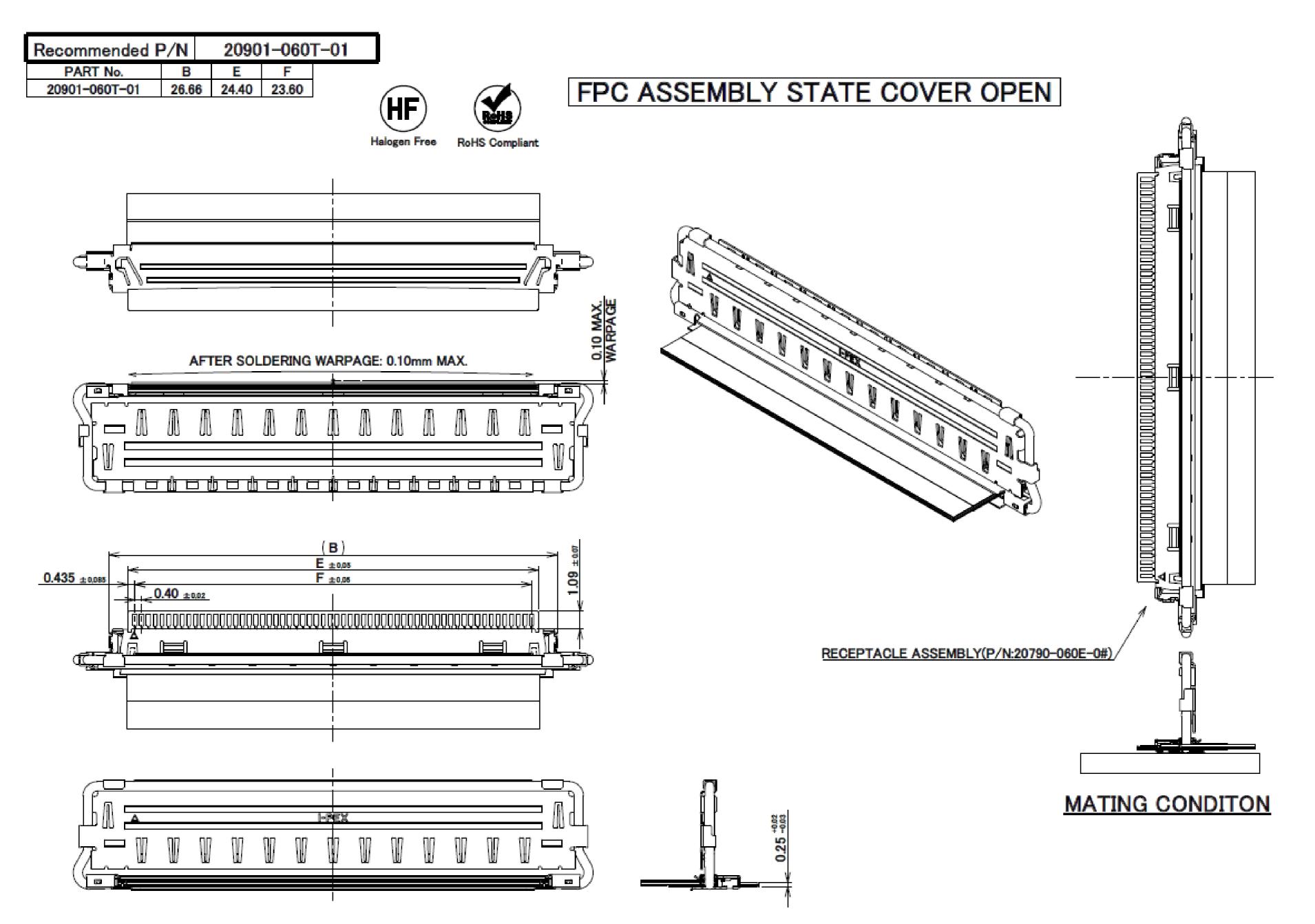
NOTES.

1.Soldering Area X is recommended dimension.

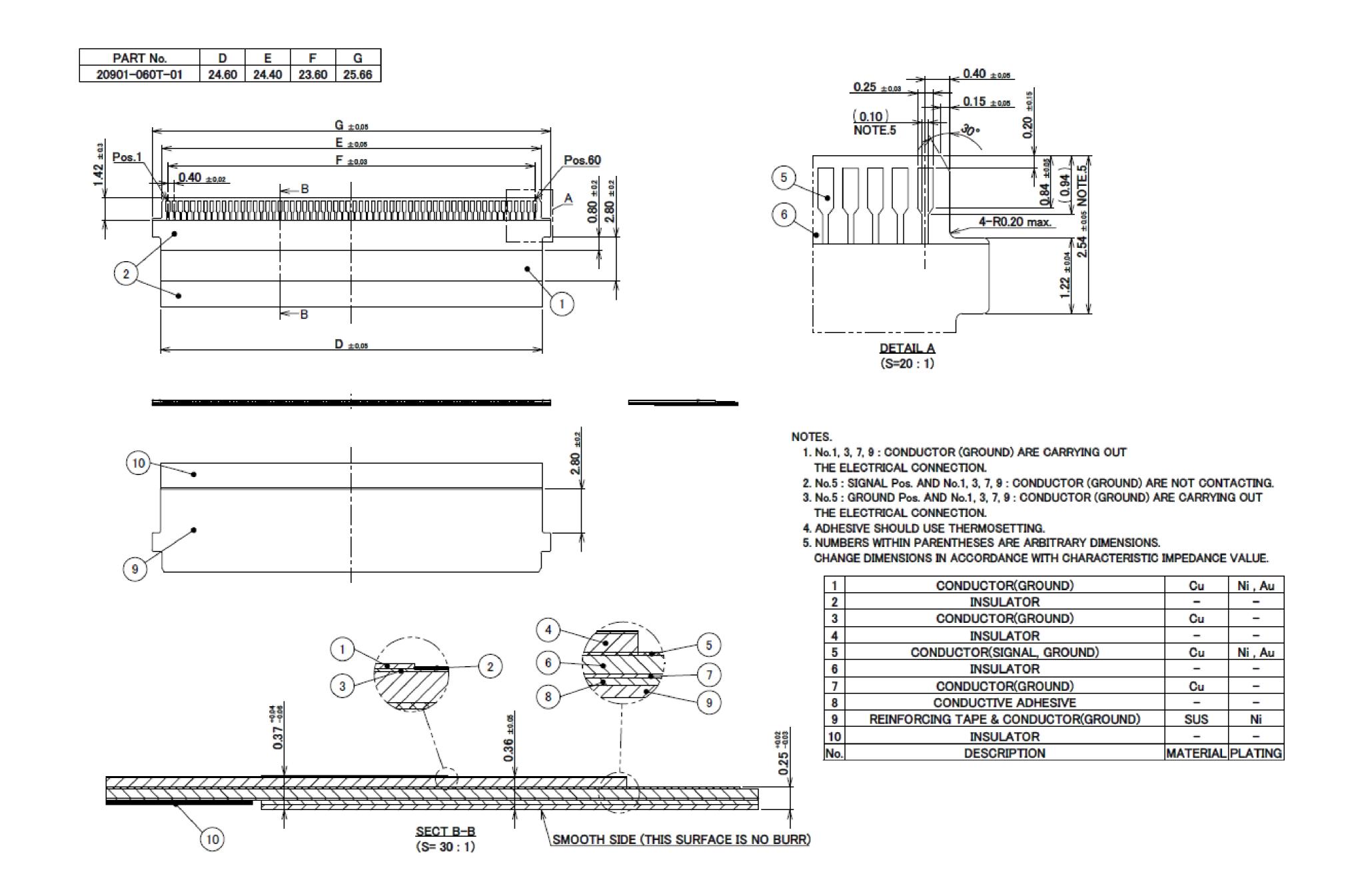
It does not mater if it might be exceed the recommended dimension.



Shell Assembly



Rev.2



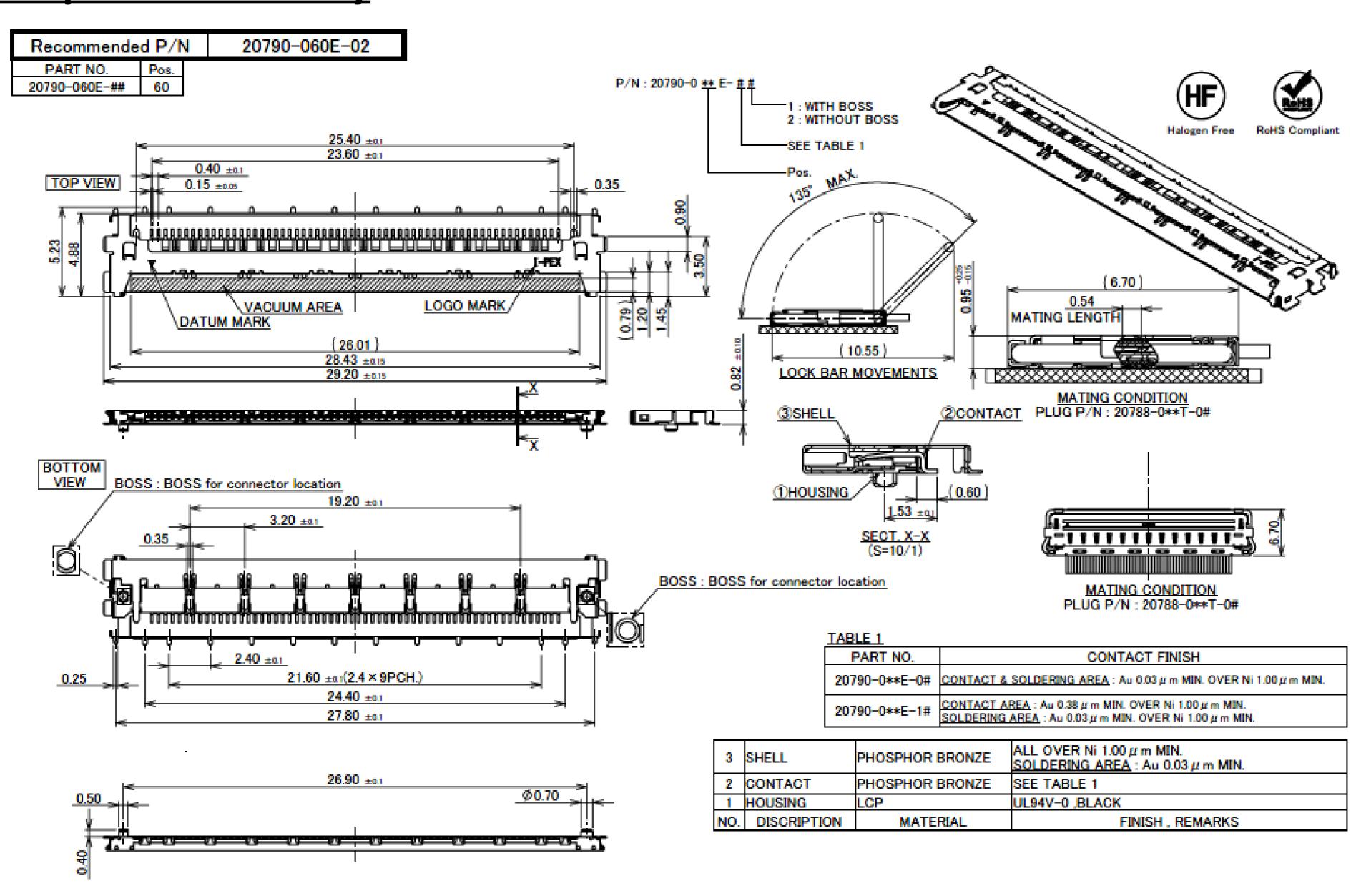


Shell Assembly

ITEMS	SPECIFICATION
RATING VOLTAGE	100V AC (PER CONTACT PIN)
RATING AMPERAGE (FOR SIGNAL CONTACT)	0.3A AC/DC (PER CONTACT PIN)
OPERATING TEMPERATURE	233~358K(-40°C~+85°C)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE (FOR SIGNAL CONTACT)	INITIAL: 60mohm MAX. / AFTER TEST: 40mohm MAX.
GROUND SHELL RESISTANCE	INITIAL: 60mohm MAX. / AFTER TEST: 40mohm MAX.
INSULATION RESISTANCE	INITIAL: 1000Mohm MIN. / AFTER TEST: 500Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min
DURABILITY	30 CYCLES
MATING FORCE (INITIAL / AFTER TEST)	60P : 27.0N MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	60P: 2.88N MIN.
PRODUCT SPECIFICATION	PRS-2893
TEST REPORT	TR-24034
PACKING STANDARD	PST-24023
INSTRUCTION MANUAL	HIM-24010
ASSEMBLY MANUAL	ASM-24004
APPEARANCE CRITERIA No.	QLS-A***

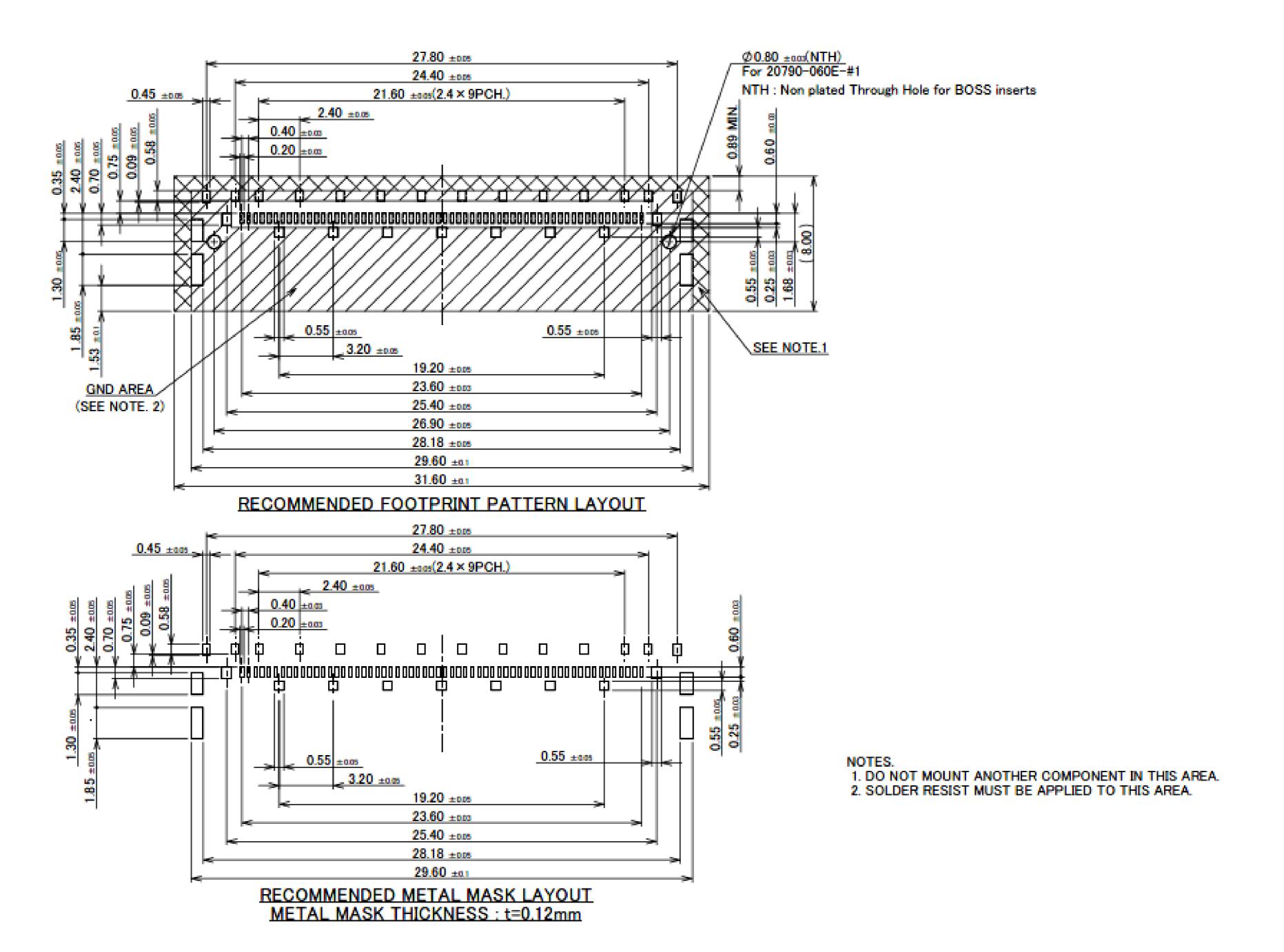
Rev.2

Receptacle Assembly

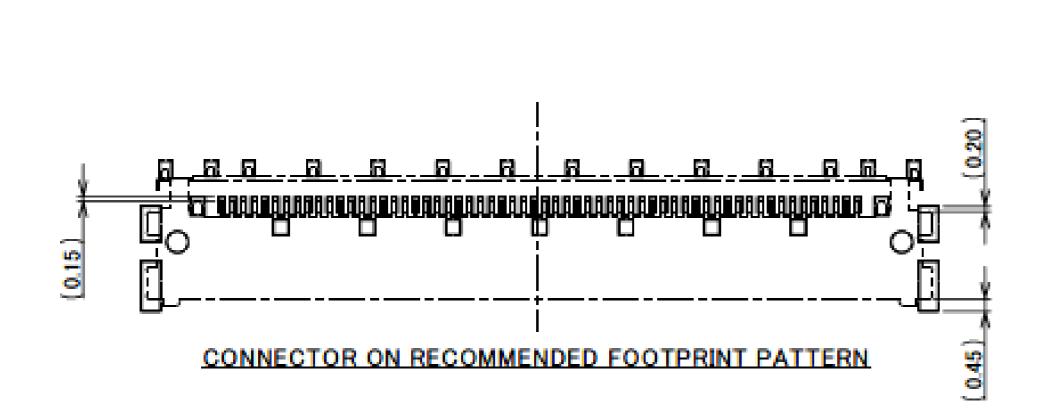


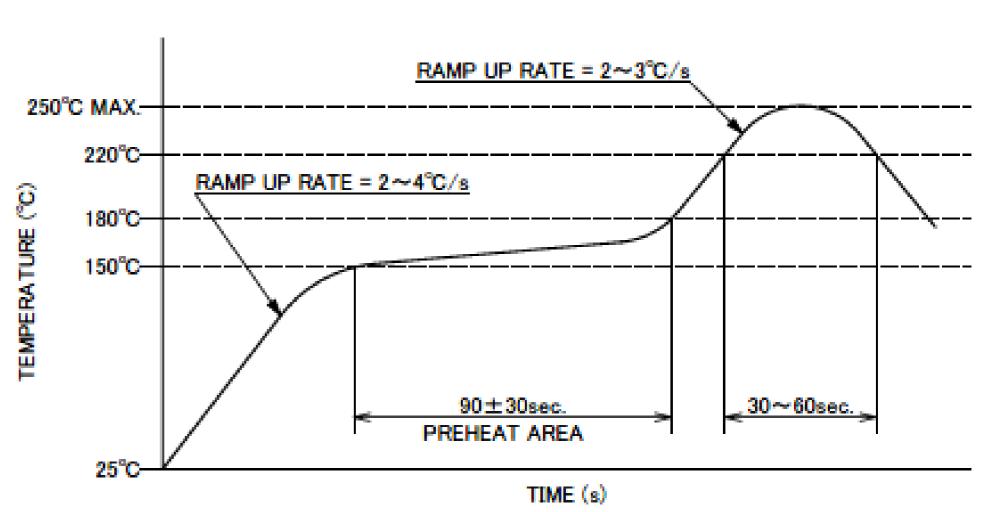


Receptacle Assembly



Rev.17





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



Receptacle Assembly

FOR CABLINE-CA IIF PLUS PLUG SHELL ASSEMBLY (DWG. NO. 20901)

ITEMS	SPECIFICATION
RATING VOLTAGE	100V AC (PER CONTACT PIN)
RATING AMPERAGE (FOR SIGNAL CONTACT)	0.3A AC/DC (PER CONTACT PIN) **TESTING BY REAL MACHINE IS RECOMMENDED BECAUSE TEMPERATURE RISE MAY AFFECTED BY ACTUAL SITUATION.
OPERATING TEMPERATURE	233~358K(-40°C~+85°C)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE (FOR SIGNAL CONTACT)	INITIAL: 60mohm MAX. / AFTER TEST: 40mohm MAX.
GROUND SHELL RESISTANCE	INITIAL: 60mohm MAX. / AFTER TEST: ✓ 40mohm MAX.
INSULATION RESISTANCE	INITIAL: 1000Mohm MIN. / AFTER TEST: 500Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min
DURABILITY	30 CYCLES
MATING FORCE (INITIAL / AFTER TEST)	27.0N MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	2.88N MIN.
PRODUCT SPECIFICATION	PRS-2893
TEST REPORT	TR-24034
PACKING STANDARD	PST-24023
INSTRUCTION MANUAL	HIM-24010
ASSEMBLY MANUAL	ASM-24004
APPEARANCE CRITERIA No.	QLS-A***

Rev.17



Custom
Connectors
Available

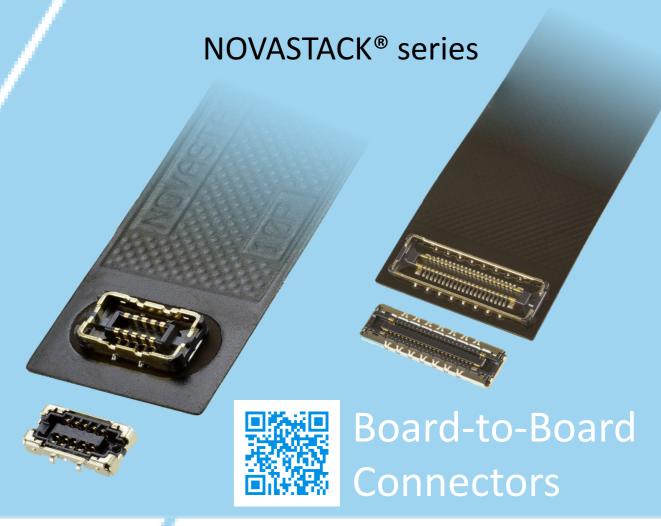




AP series

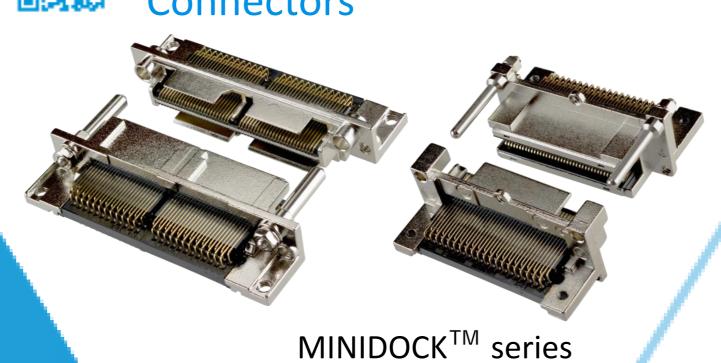






MINIFLEX® series















EVAFLEX® series

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