CABLINE®-CA II PLUS

Fully-shielded with mechanical lock, High-data-rate transfer, 0.4 mm pitch, Horizontal mating type micro-coaxial connector

*For higher data rate up to 64 Gbps PAM4, please review CABLINE-CA IIP PLUS harness solution

that mates to current CABLINE-CA II PLUS receptacle (20790-060E-01/-02).

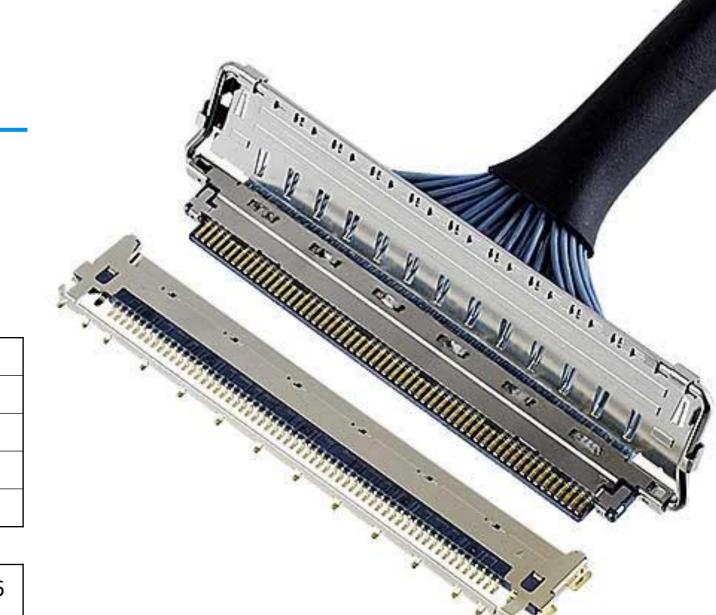
	Product Specifications:				
	Mating type	Horizontal			
Board Pitch (mm)		0.4			
	Wining Length (mm)	0.54			

Board Pitch (mm)		0.4
Wiping Length (mm)		0.54
	Height	1.2 max. with cover
Mated size (mm)	Width	Formula: 6.95 + (0.4*?p)
(111111)	Depth	6.7
Din Counts	Range	Up to 60
Pin Counts	Available	60

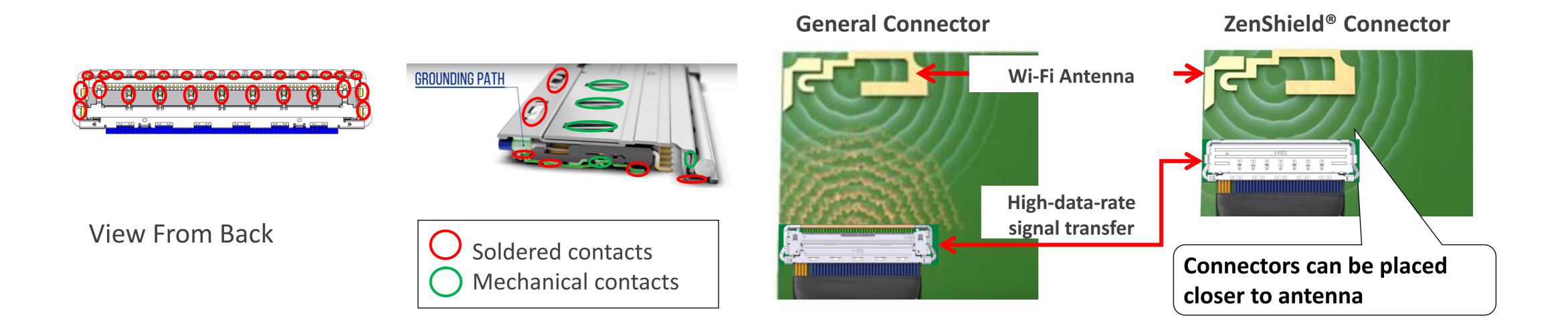
Applicable Cable Size:				
Maximum O.D. (mm)	0.4			
Micro-Coaxial	45 ohm: #38 or smaller			
for Signal (AWG)	50 ohm: #40 or smaller			
Twinax (AWG)	#40, #42			
Discrete (AWG)	#34 or smaller			

Applicable Standards (Reference Only):

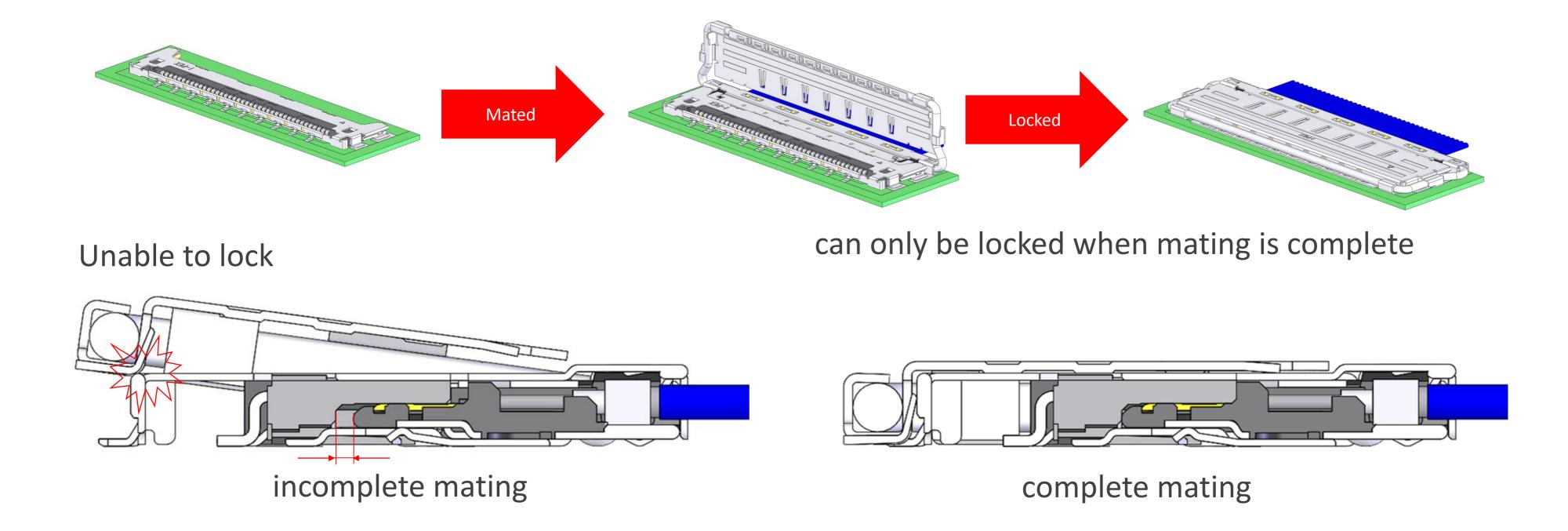
USB4 Gen3/Thunderbolt 4 (20 Gbps/lane), PCIe® Gen 4 (16 GT/s), eDP HBR 3 (8.1 Gbps)



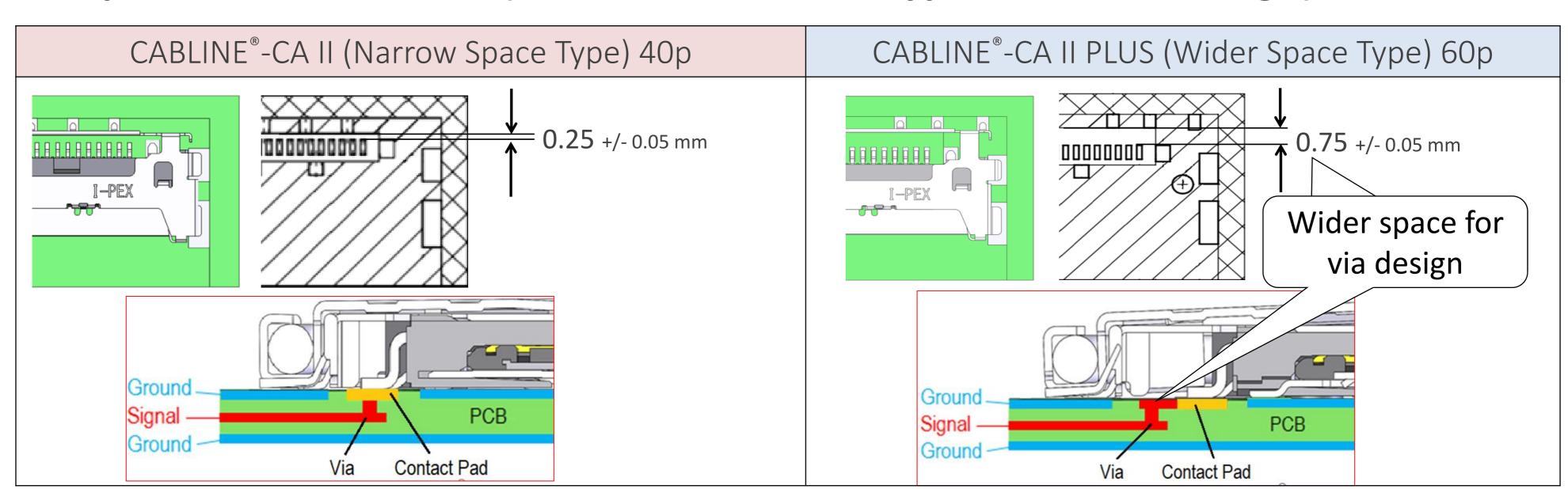
ZenShield® fully-shielded with multi-point grounds to prevent EMI leakage



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



Wider space for vias on PCB (for Non-Via-In-Pad type PCB trace design)

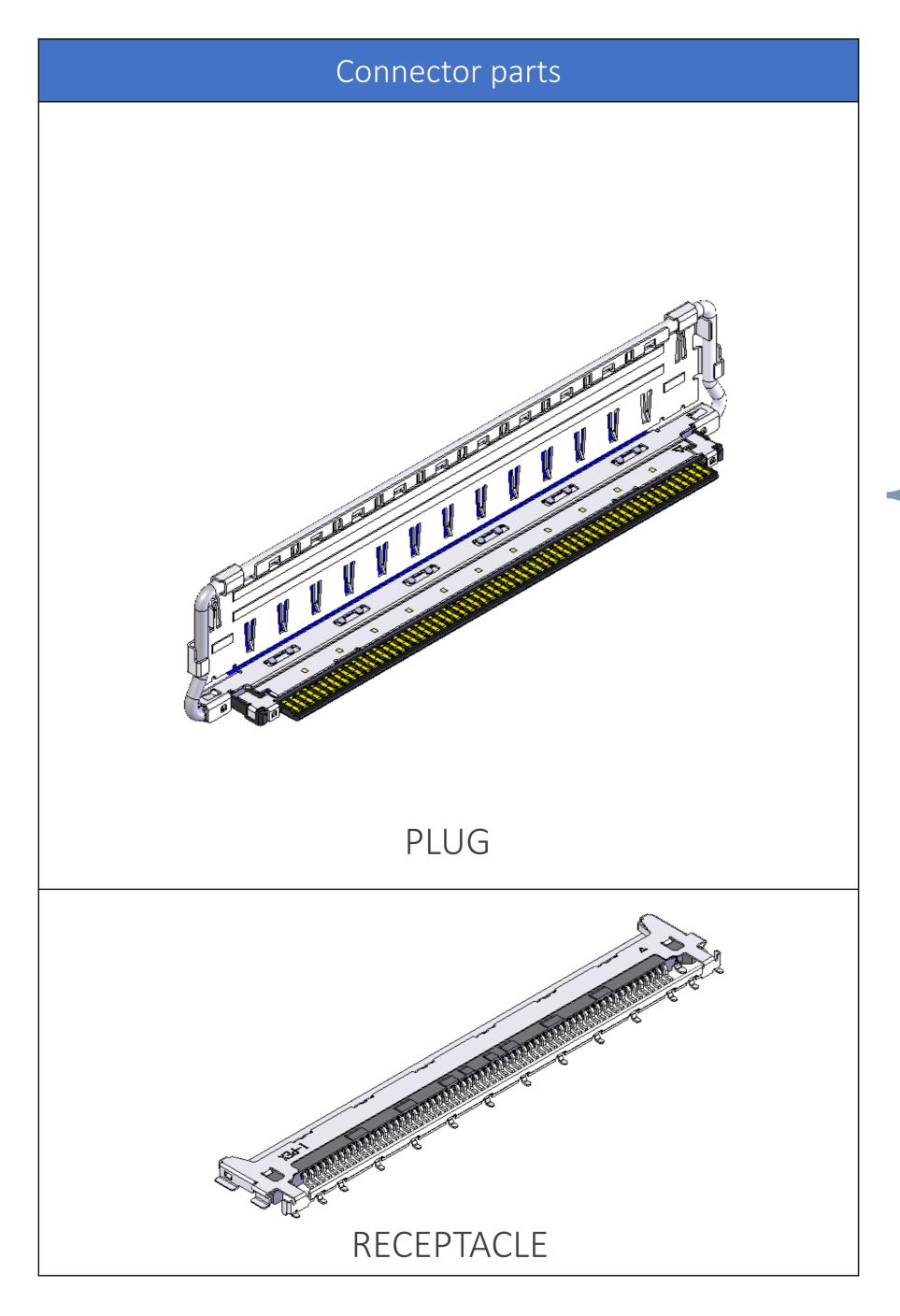


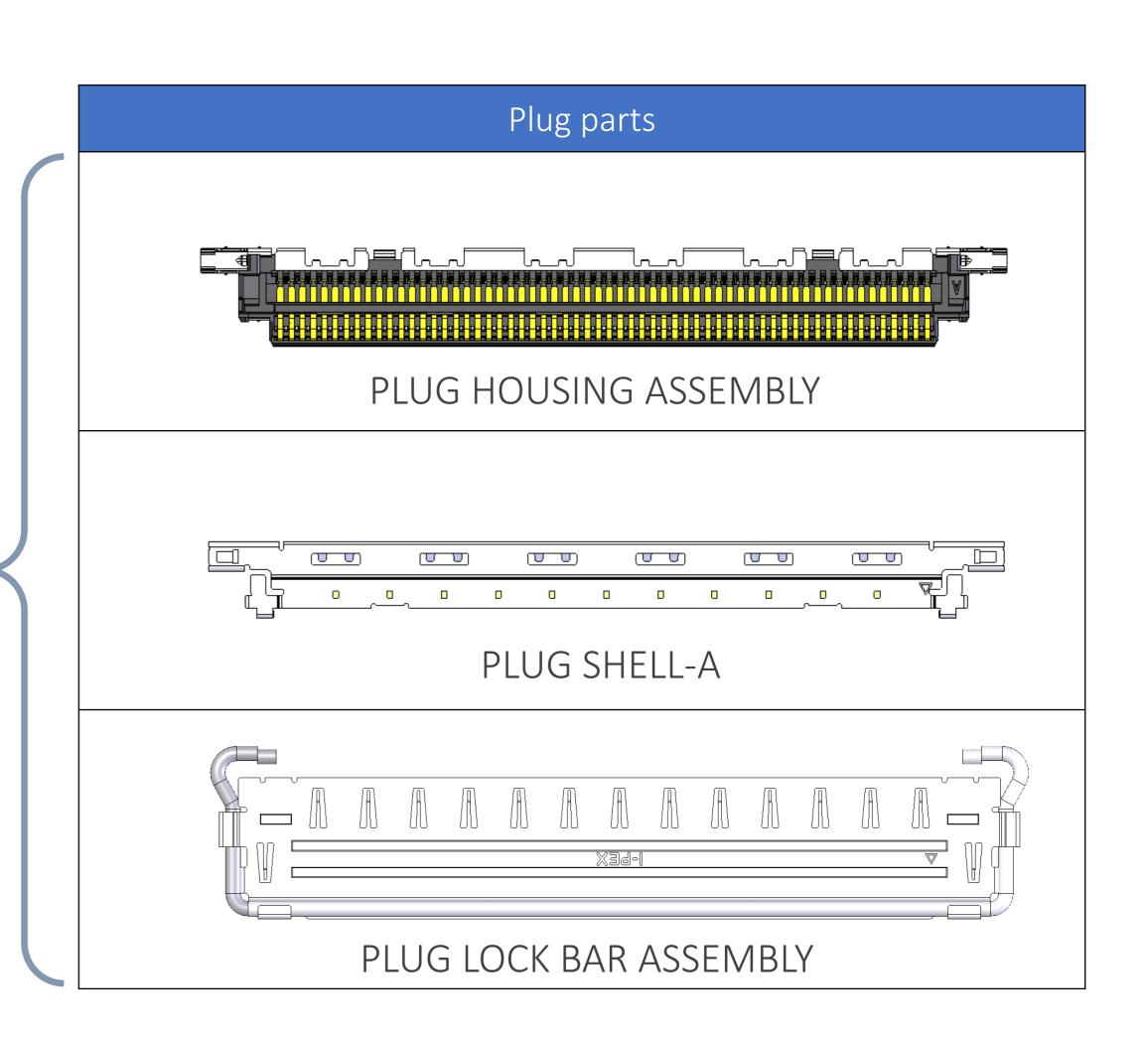
^{*} Please inquire for pin counts not listed or outside of the pin count range.

^{*20, 30, 40, 50}p are also available with CABLINE®-CA II (narrow space type).

Component Parts Details

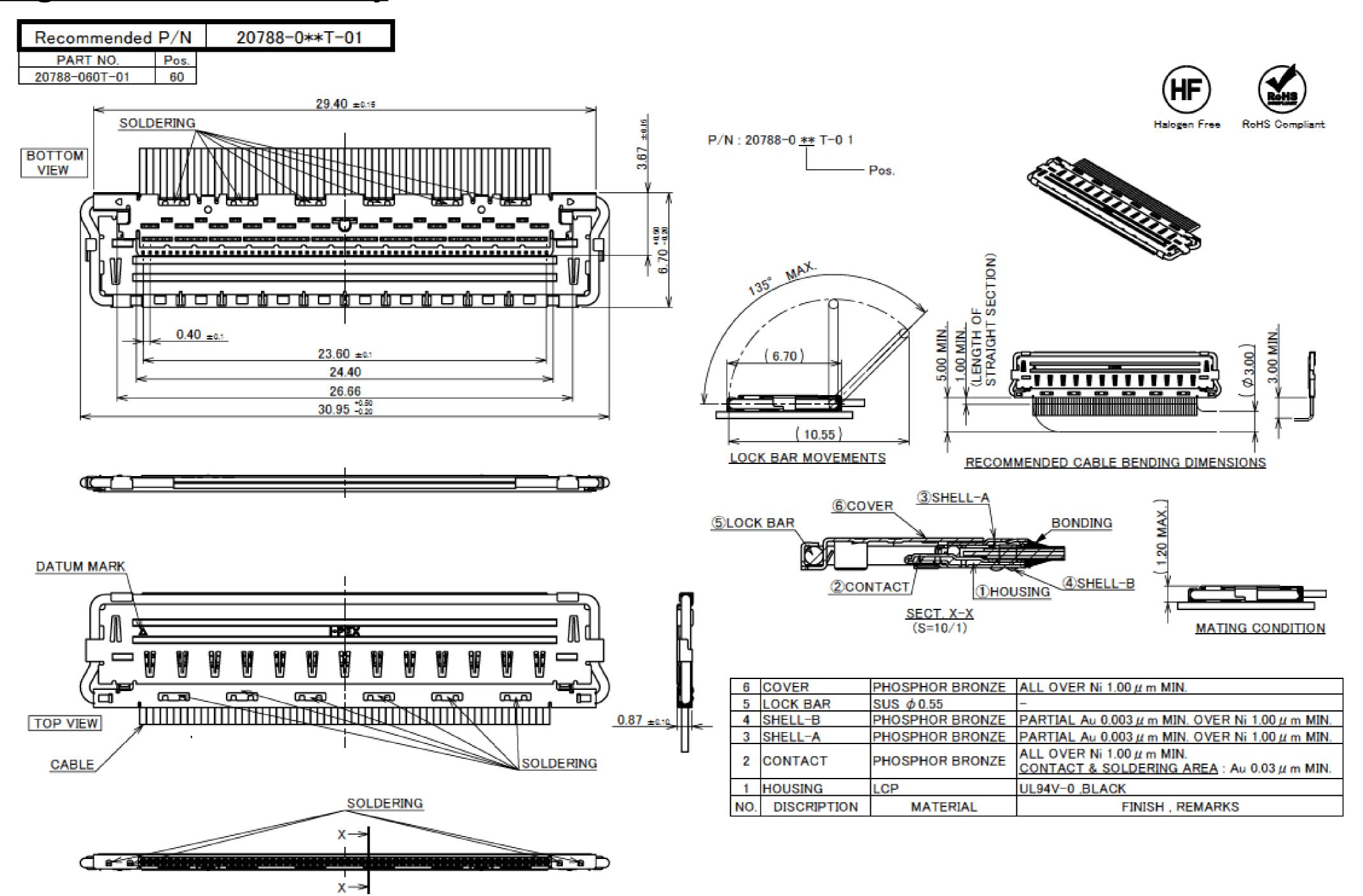
Component Parts

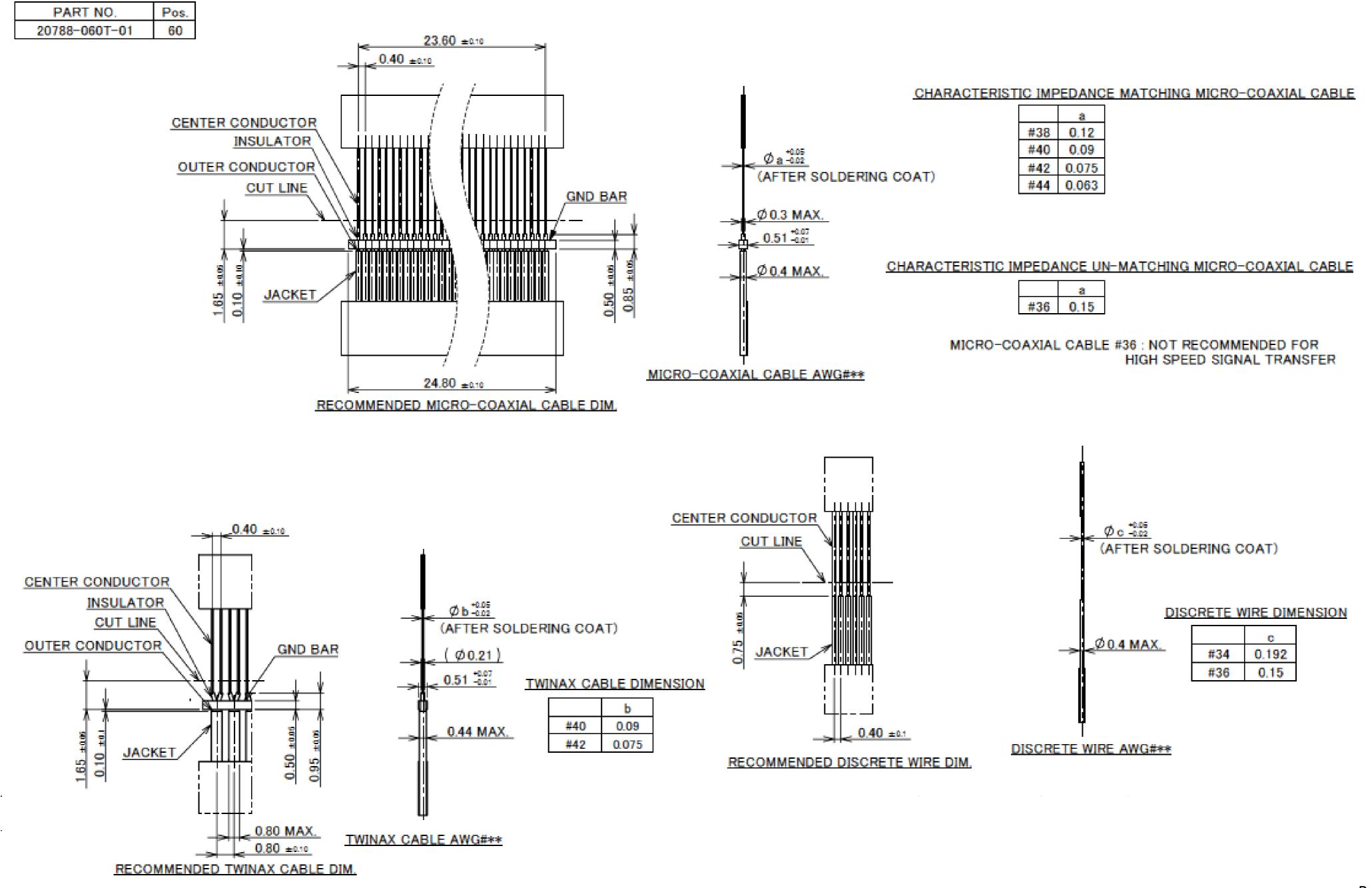






Plug for Cable Assembly

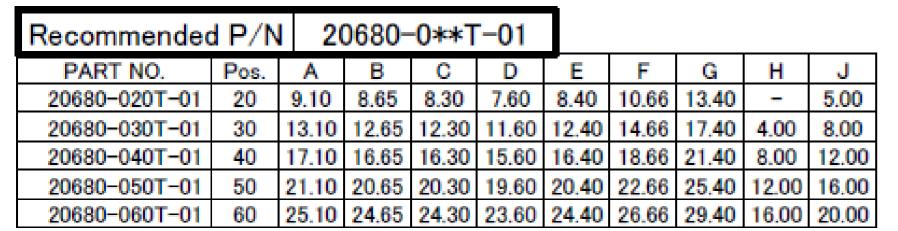


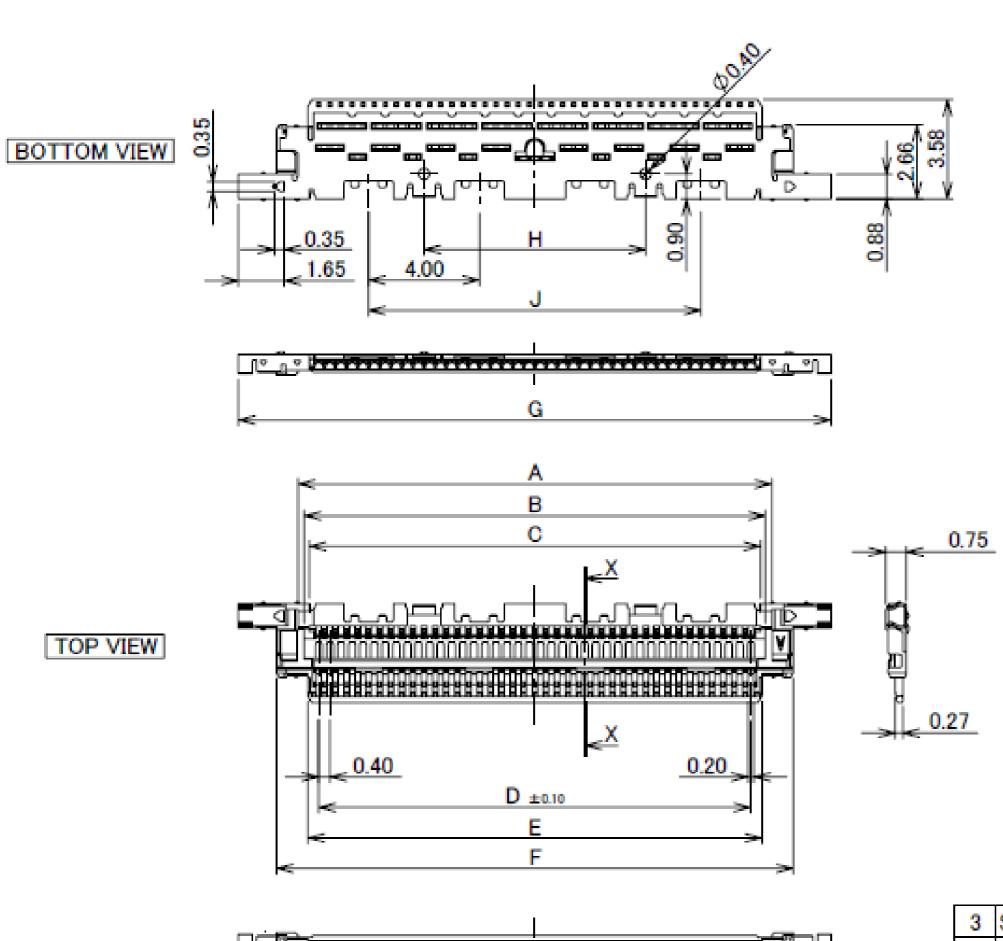


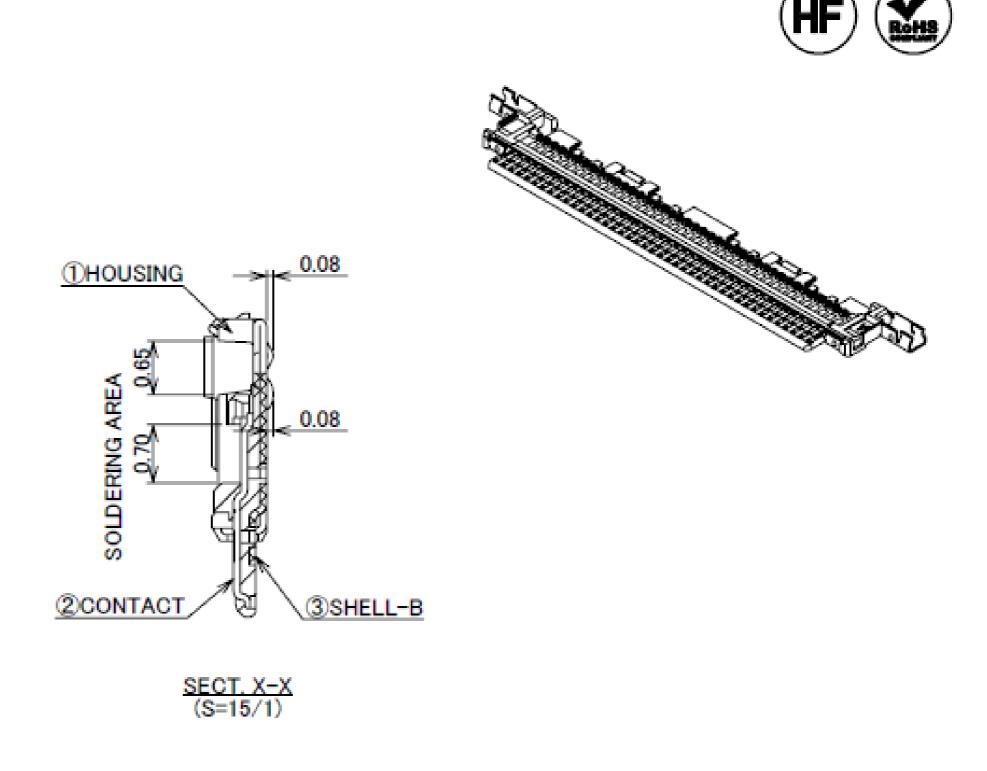
Rev.11

Rev.11

Plug Housing Assembly







NOTES.

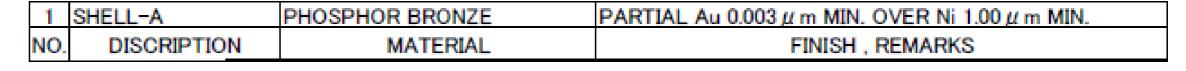
- THIS PART IS ASSEMBLED WITH SHELL A(P/N 3204-0**1) AND LOCK BAR ASS'Y(P/N 20681-0**T-01) AFTER SOLDERED THE CABLE, AND IT BECOMES P/N 20679-0**T-01
- AND IT BECOMES P/N 20679-0**T-01
 2. THIS PART IS ASSEMBLED WITH SHELL A(P/N 3204-0**1) AND LOCK BAR ASS'Y(P/N 20789-0**T-01) AFTER SOLDERED THE CABLE, AND IT BECOMES P/N 20788-0**T-01

	3	SHELL-B	PHOSPHOR BRONZE	PARTIAL Au 0.003 μ m MIN. OVER Ni 1.00 μ m MIN.
	2	CONTACT	PHUSPHUR BRUNZE	ALL OVER Ni 1.00 μ m MIN. CONTACT & SOLDERING AREA: Au 0.03 μ m MIN.
	1	HOUSING	LCP	UL94V-0 ,BLACK
ı	VO.	DISCRIPTION	MATERIAL	FINISH, REMARKS

Rev.7

Plug Shell-A

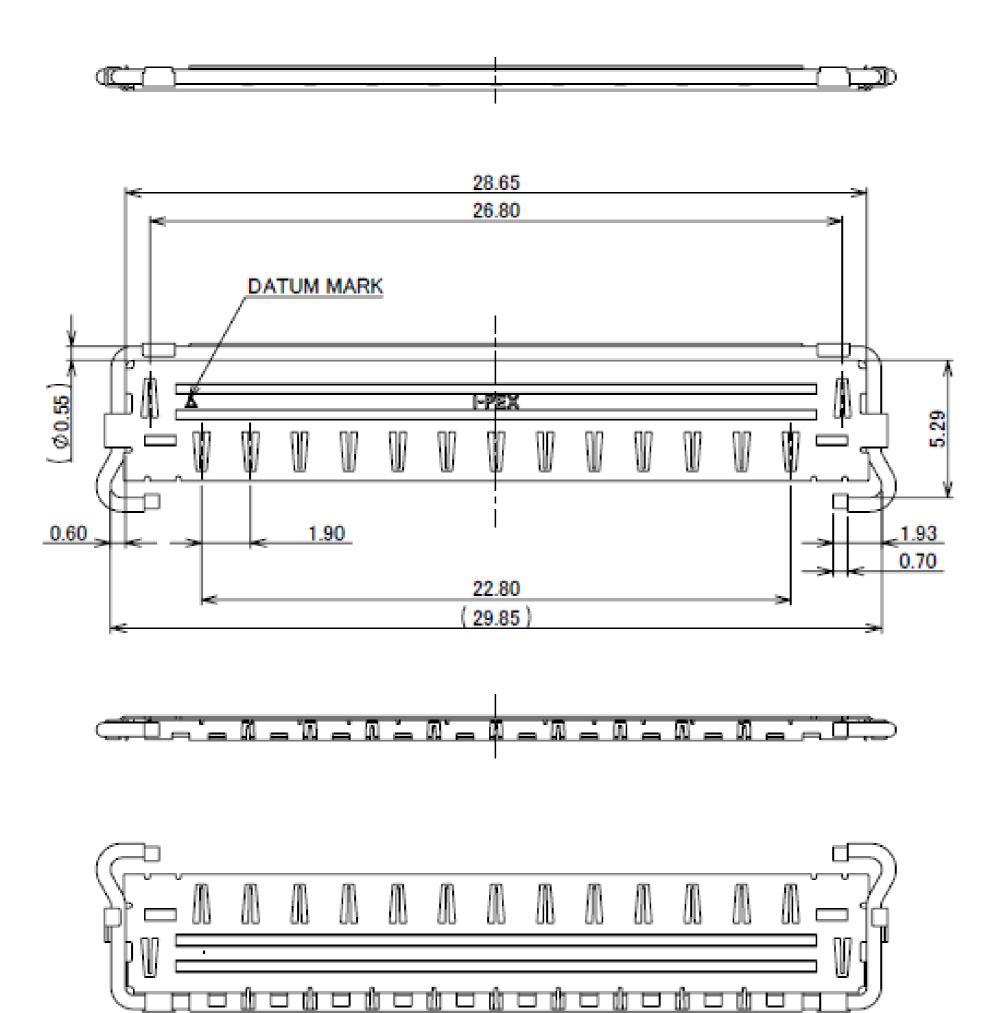
Recommende	ed P/N 3204-0**1				
PART NO.	Pos. A B C D E				
3204-0201	20 13.40 7.88 10.66 2.50 5.00				
3204-0301	30 17.40 11.88 14.66 3.00 9.00)			(HF) (RoHs)
3204-0401	40 21.40 15.88 18.66 3.25 13.00				Röhs
3204-0501	50 25.40 19.88 22.66 3.40 17.00				
3204-0601	60 29.40 23.88 26.66 4.00 20.00	0			
TOP VIEW	A B DATUM C	I MARK	$(E)_{M}$	DETAIL M (S=20/1)	①SHELL-A
BOTTOM VIEV			0.85 VAR	1.80	
DOTTOM VIEW	D E {=D × (n-1)}			DETAIL L (S=15/1)	

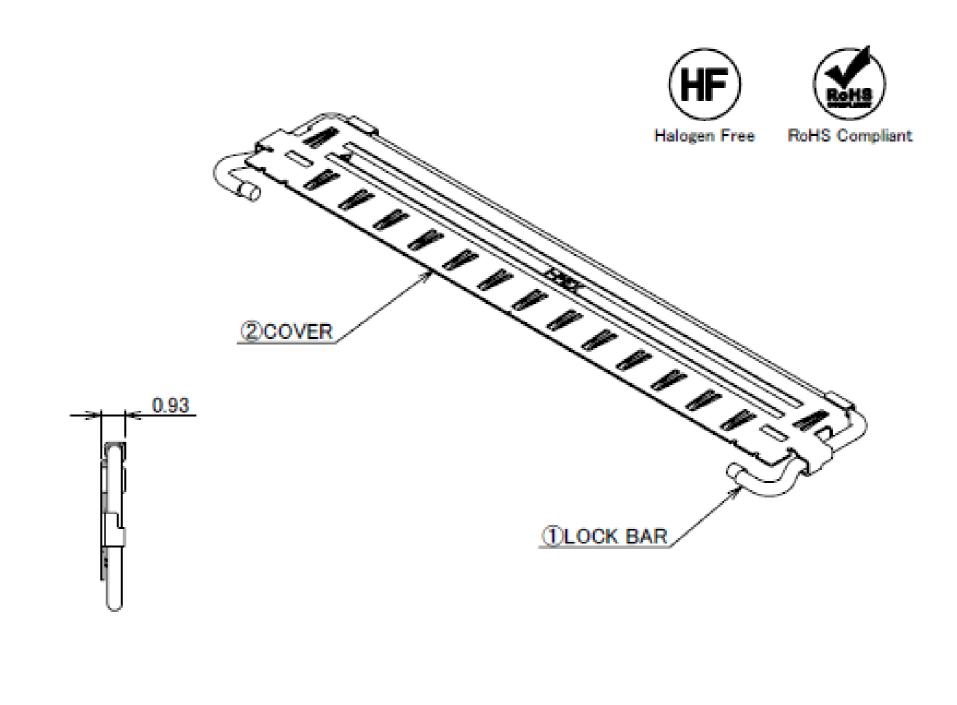




Lock Bar Assembly

Recommended P/N		I	20789-0**T-01
PART NO.	Pos.		
20789-060T-01	60		

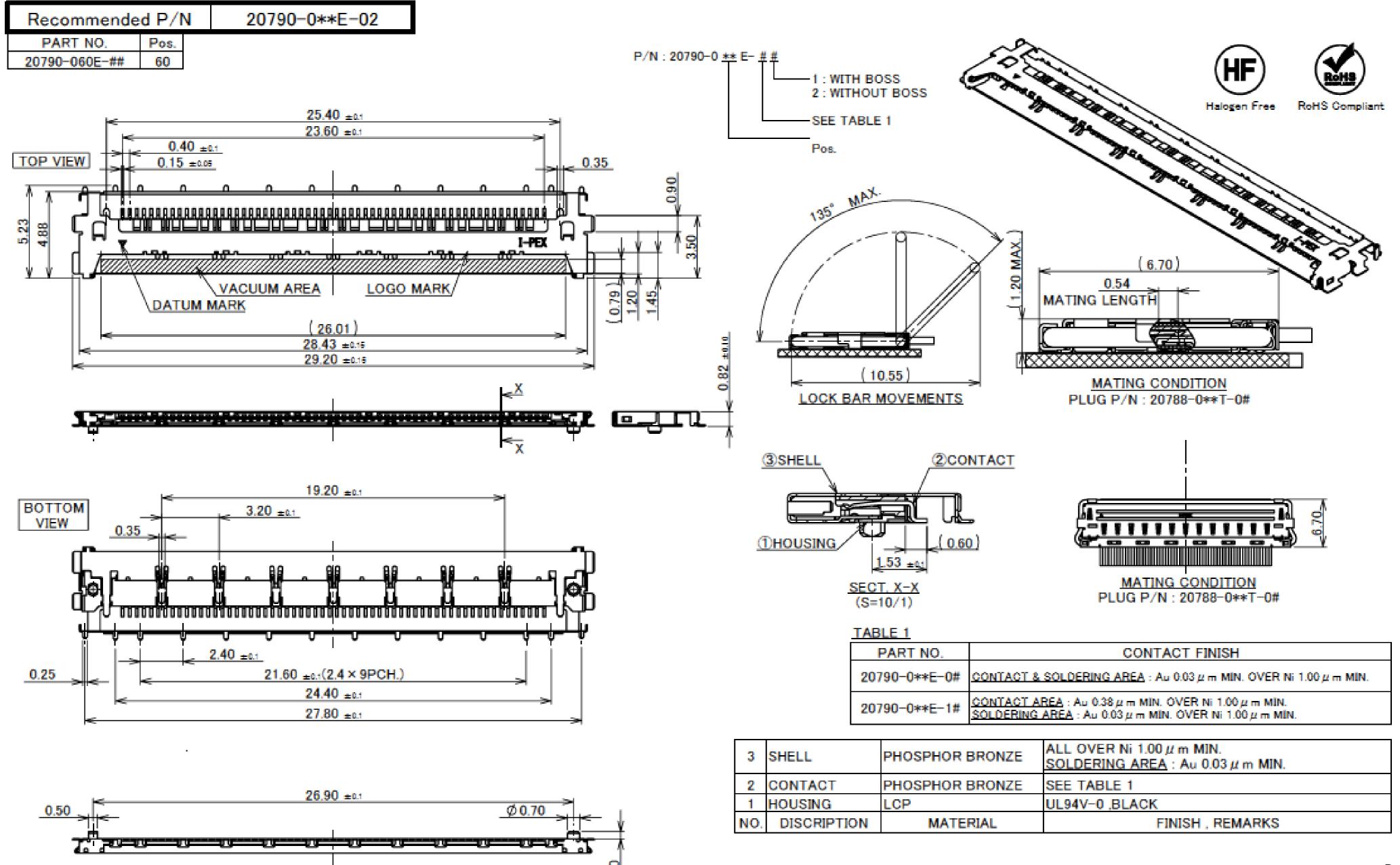




2	COVER	PHOSPHOR BRONZE	ALL OVER Ni 1.00 μ m MIN.	
1	LOCK BAR	SUS ϕ 0.55		
NO.	DISCRIPTION	MATERIAL	FINISH, REMARKS	

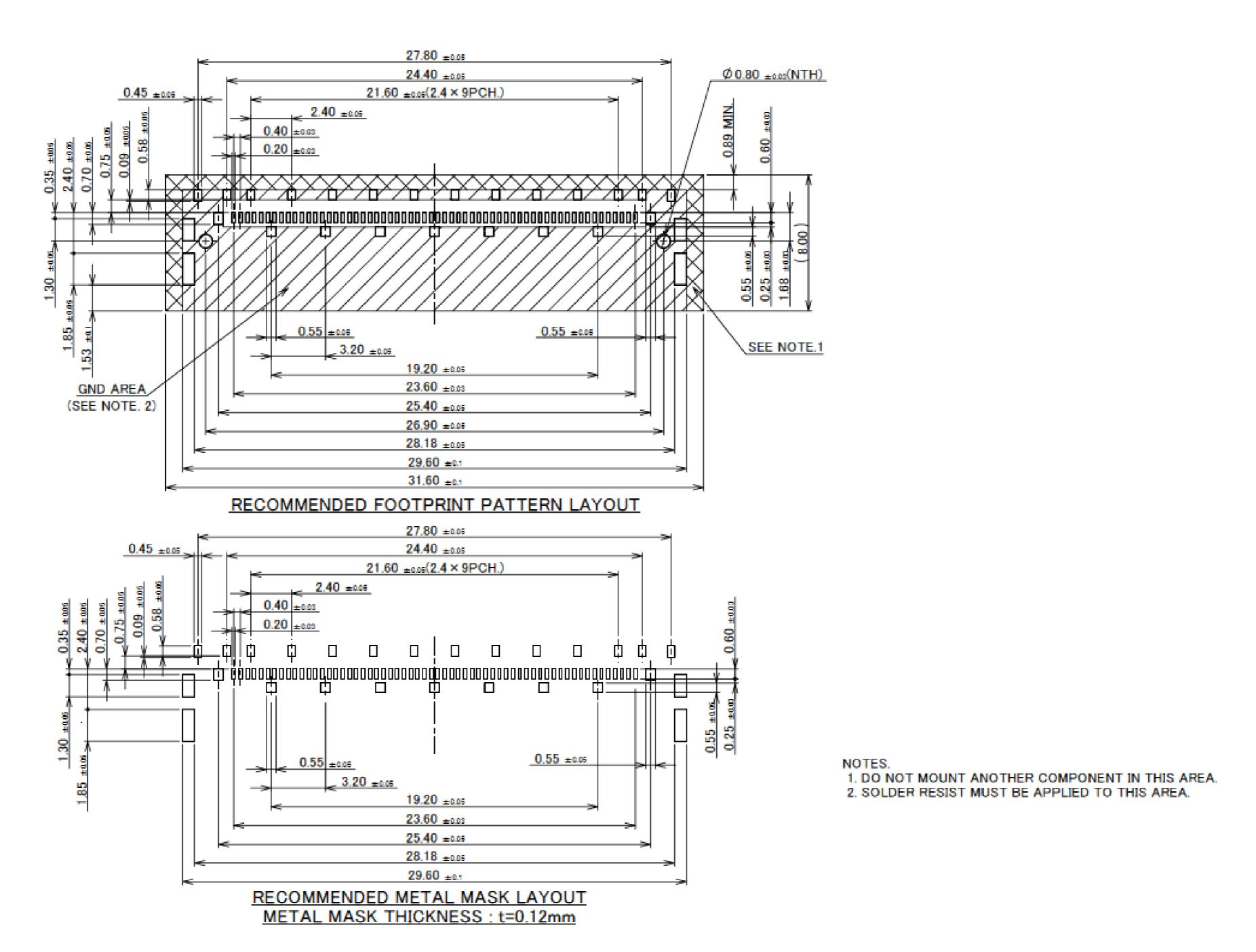
Rev.9

Receptacle Assembly

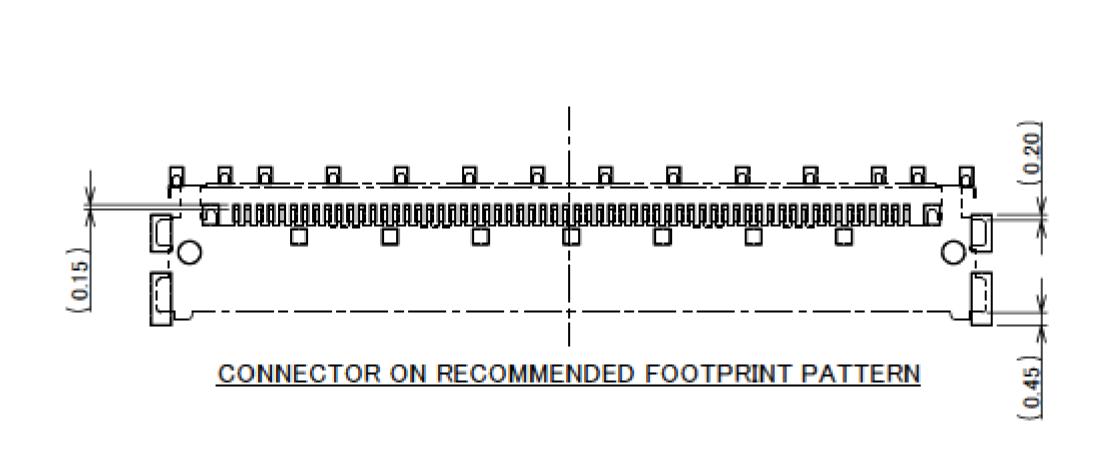


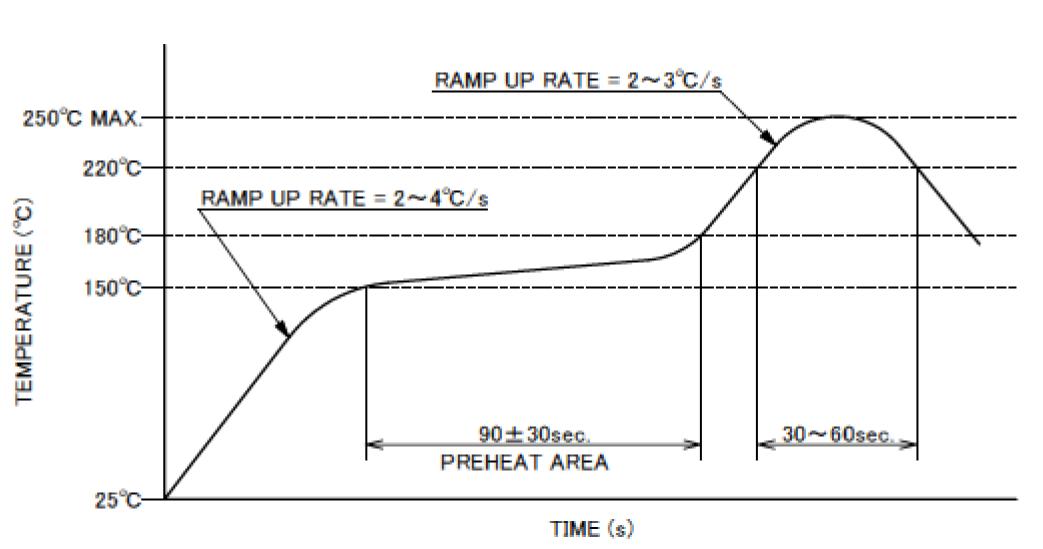


Receptacle Assembly



Rev.13





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

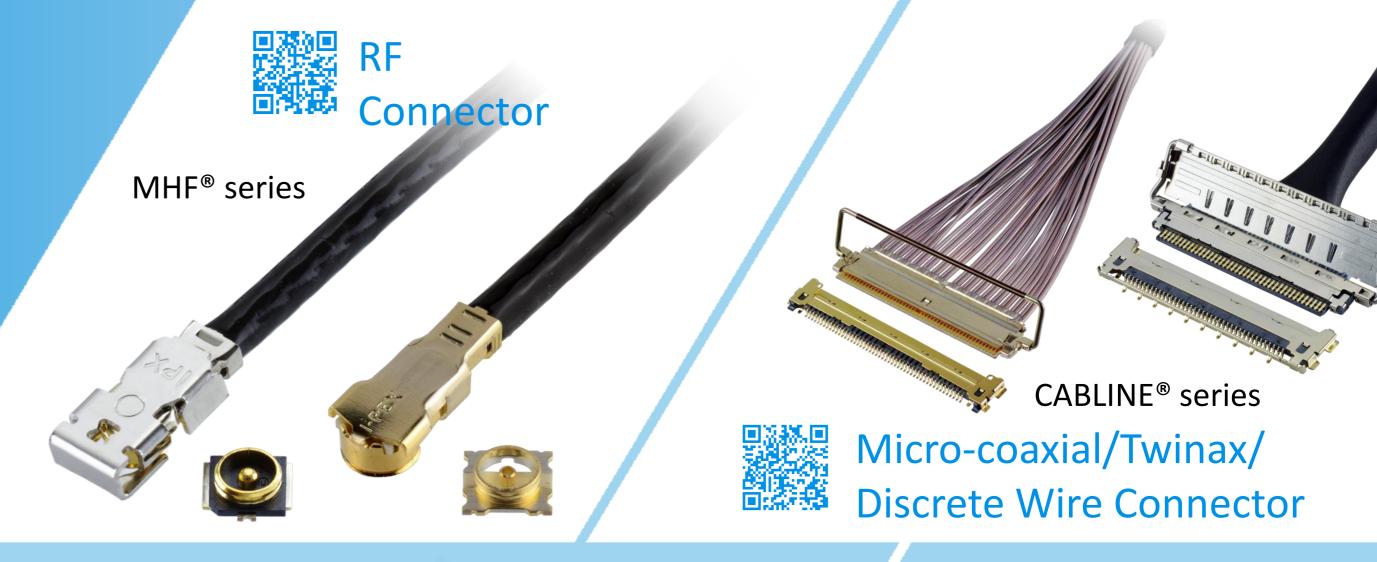


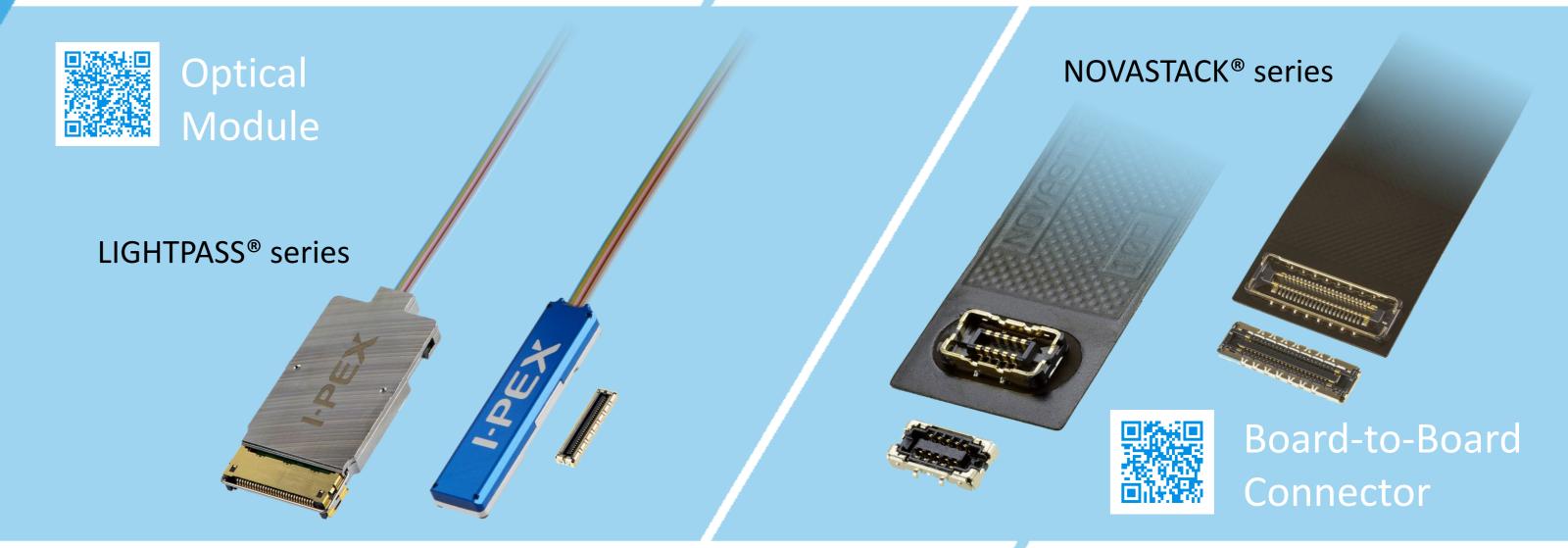
ITEMS	SPECIFICATION		
	MICRO-COAXIAL CABLE: AWG# 44, 42, 40, 38, 36		
APPLICABLE CABLE	DISCRETE WIRE: AWG# 36, 34		
DATING VOLTAGE	TWINAX CABLE : AWG# 40 , 42		
RATING VOLTAGE	100V AC (PER CONTACT PIN)		
	0.1A AC/DC [AWG#44] PER CONTACT PIN / UP TO 60 CONTACTS		
	0.24A AC/DC [AWG#42] PER CONTACT PIN / UP TO 60 CONTACTS		
	0.3A AC/DC [AWG#40] PER CONTACT PIN / UP TO 60 CONTACTS 0.5A AC/DC [AWG#38] PER CONTACT PIN / UP TO 18 CONTACTS		
RATING AMPERAGE (FOR CONTACT)	0.8A AC/DC [AWG#36] PER CONTACT PIN / UP TO 16 CONTACTS		
	1.0A AC/DC [AWG#34] PER CONTACT PIN / UP TO 6 CONTACTS		
	**TESTING BY REAL MACHINE IS RECOMMENDED BECAUSE TEMPERATURE RISE		
	MAY AFFECTED BY ACTUAL SITUATION		
OPERATING TEMPERATURE	248~378K(-40°C~105°C)		
OPERATING HUMIDITY	85% MAX.(NON-CONDENDING)		
	INITIAL: 180mohm MAX.(AWG#34) / AFTER TEST: ✓ 40mohm MAX.		
	275mohm MAX.(AWG#36)		
CONTACT DESIGNANCE	360mohm MAX.(AWG#38)		
CONTACT RESISTANCE	600mohm MAX.(AWG#40)		
	700mohm MAX.(AWG#42)		
	1080mohm MAX.(AWG#44)		
GROUND SHELL RESISTANCE	INITIAL: 50mohm 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 30 CYCLES)	29.10N MAX.		
UN-MATING FORCE (INITIAL / AFTER 30 CYCLES)	6.0N MIN.		
CABLE RETENTION FORCE	29.40N MIN.		
PRODUCT SPECIFICATION	PRS-2261		
TEST REPORT	TR-16075, TR-23031		
INSTRUCTION MANUAL	HIM-16028		
ASSEMBLY MANUAL	ASM-16004		
APPEARANCE CRITERIA NO.	QLS-A***		

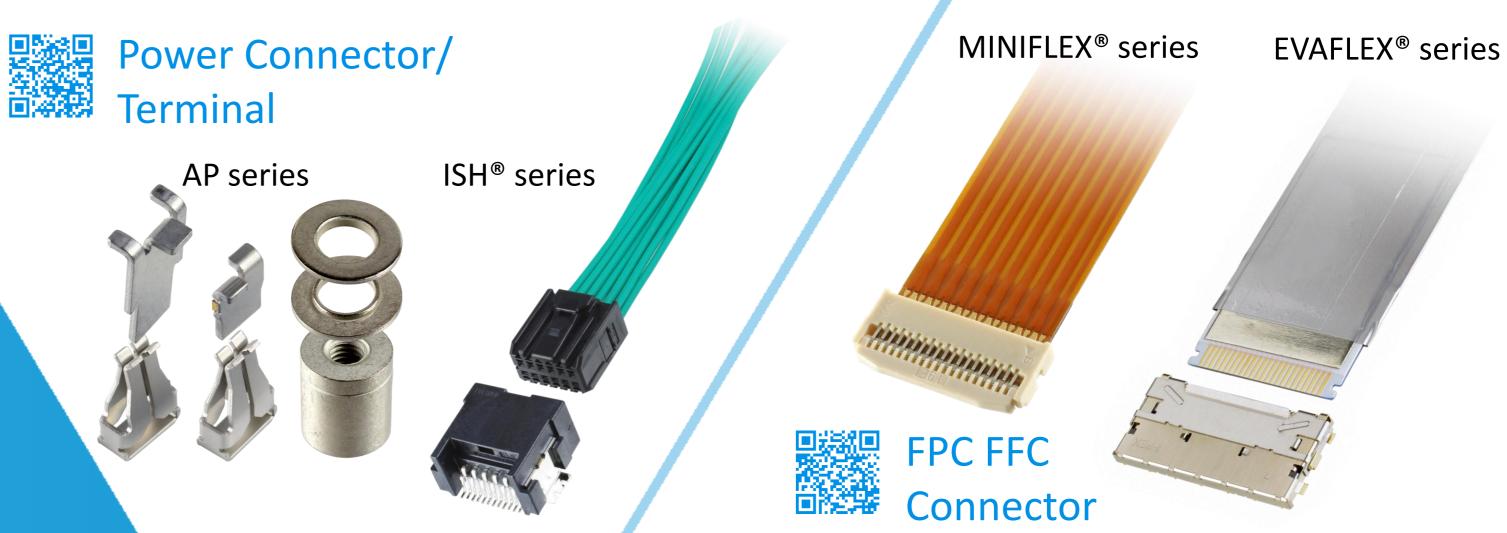
Rev.13

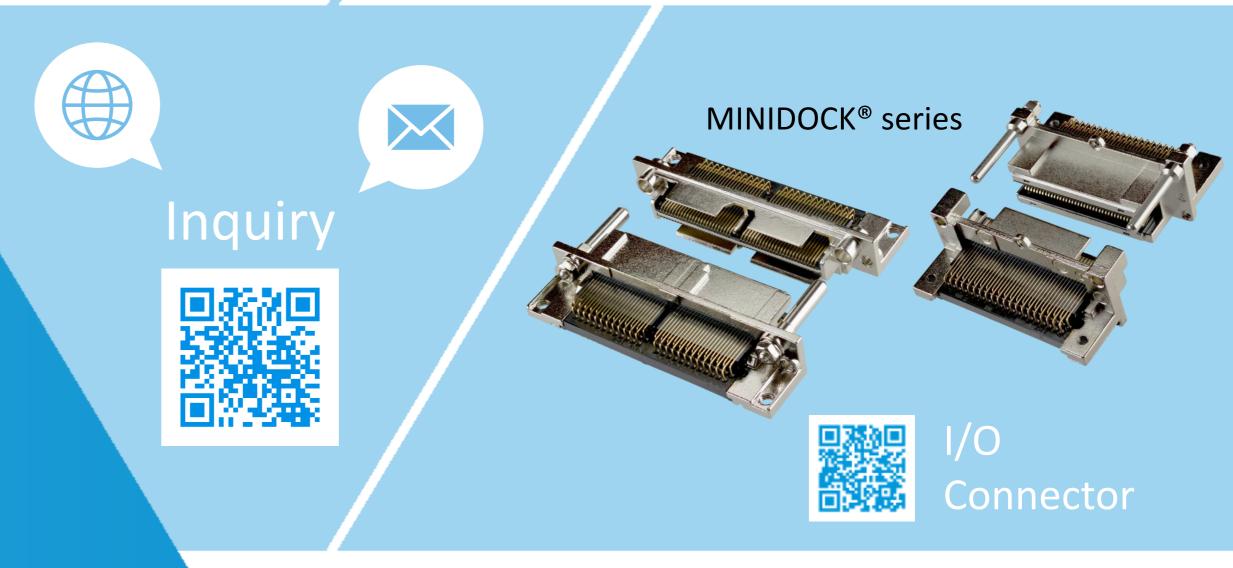


Custom Connectors Available









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