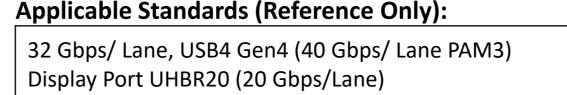
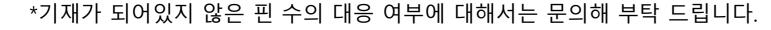
CABLINE®-CAF

Mechanical Lock 및 Shield가 있는 Multi Ground 접점, 고속 데이터 전송(32Gbps/Lane)에 적용, 0.4mm Pitch 수평 결합형 FPC Plug Connector

Product Specifications:					
Mating type		Horizontal			
Board Pitch (mm)		0.4			
Wiping Length (mm)		0.48			
Mated size (mm)	Height	1.10 Max			
	Width	Formula: 5.75 + (0.4 x ? p)			
	Depth	6.06			
Pin Counts	Range	Up to 60			
	Available	40, 60			

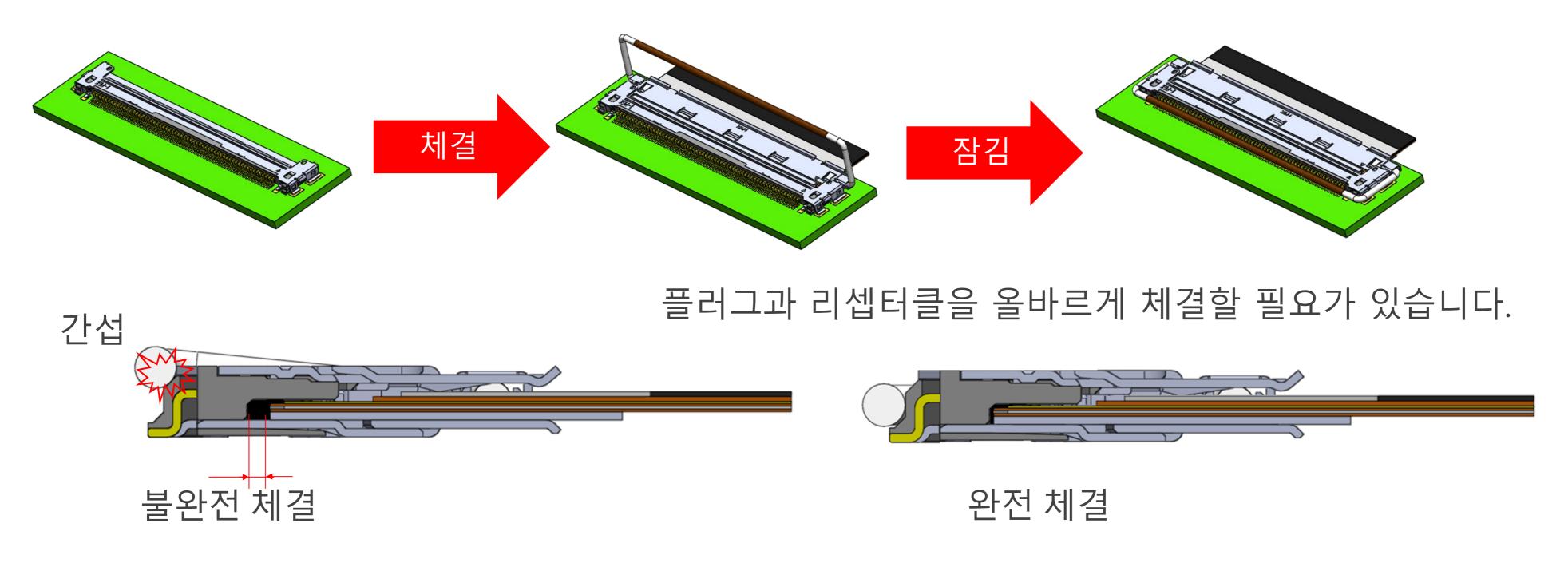
Applicable FPC				
FPC Type	Shielded/Non-shielded FPC			
FPC Pitch (mm)	0.4			
FPC Contact Point	Тор			
FDC Thisles and (name)	Contact Area: 0.26 \pm 0.02			
FPC Thickness (mm)	Ground Area: 0.40 ± 0.05			
Applicable Standards (Reference Only):				



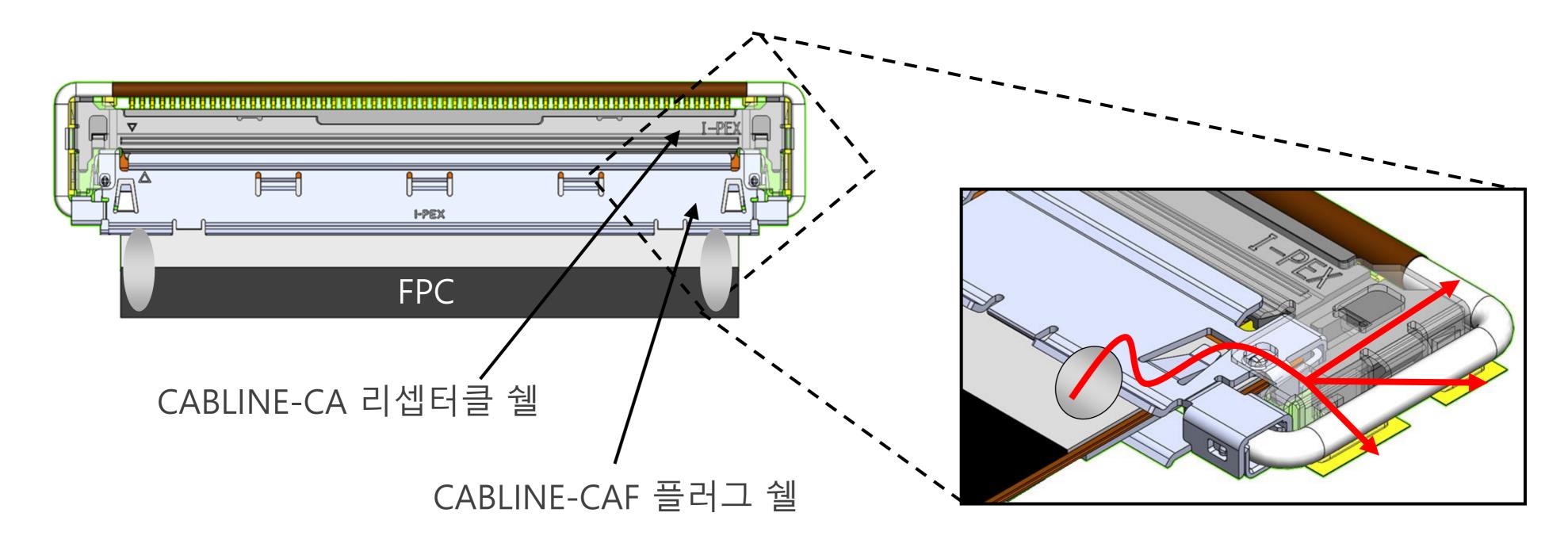




기계식 Locking bar에 의한 불완전 결합 방지와 Plug 이탈 방지



EMI 쉴드와 멀티 그라운드 접점 설계



32Gbps/Lane Application에 이상적인 고속 데이터 전송

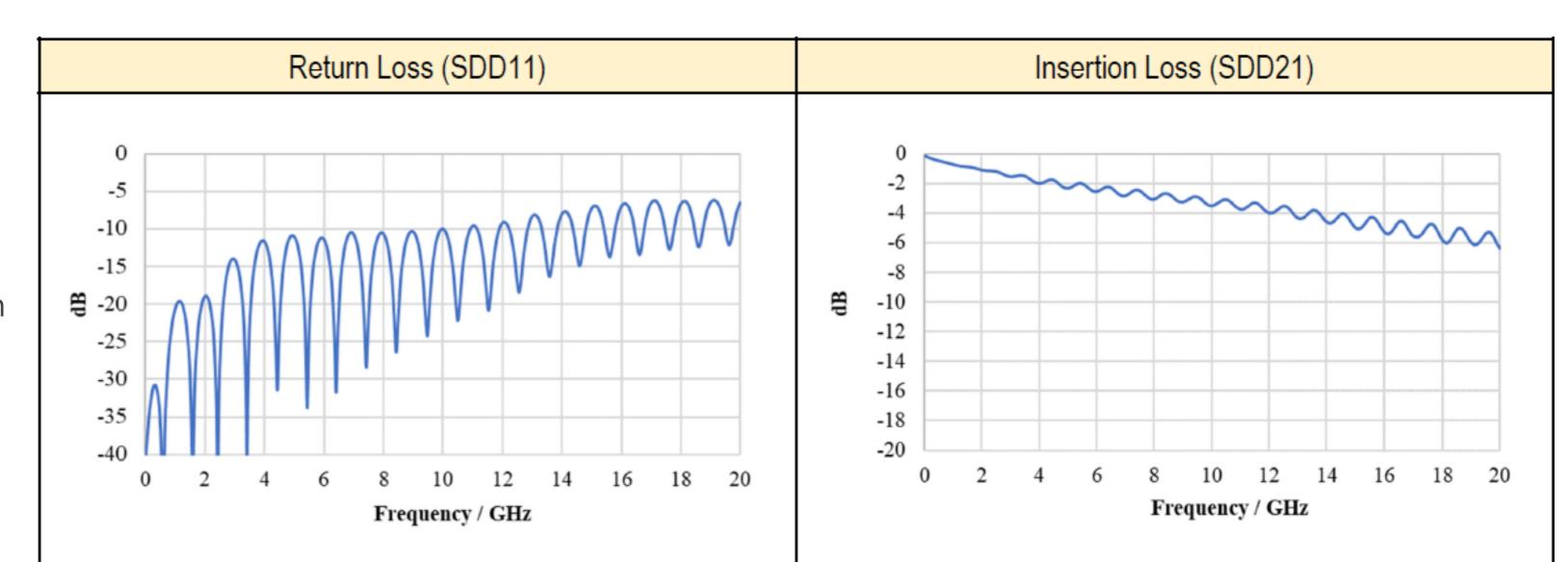
Measurement results

Connector: CABLINE-CAF 40P

FPC: Shielded FPC,

Differential 100 ohm, Length: 100 mm

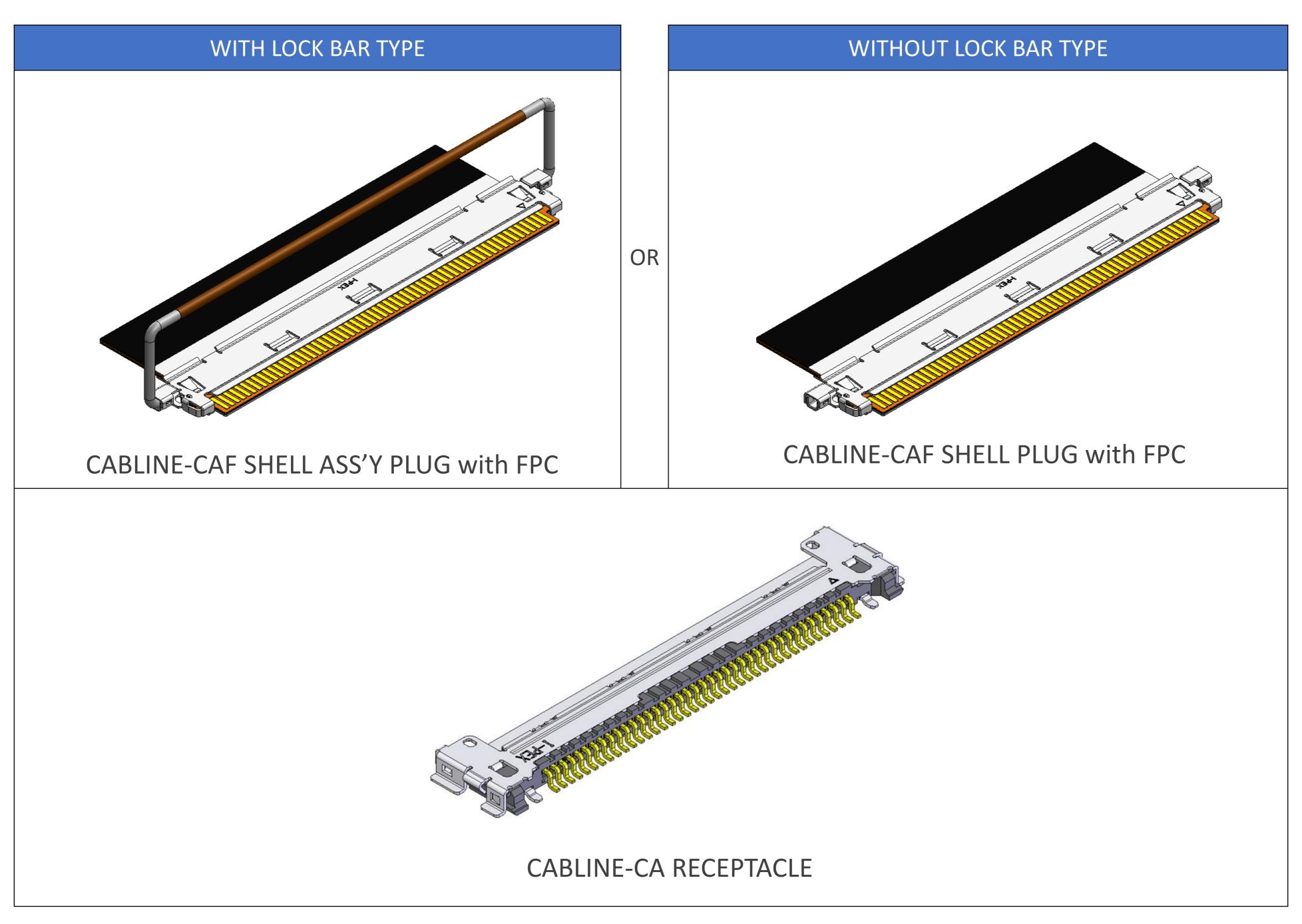
Pin Assignment: GSSGSSG





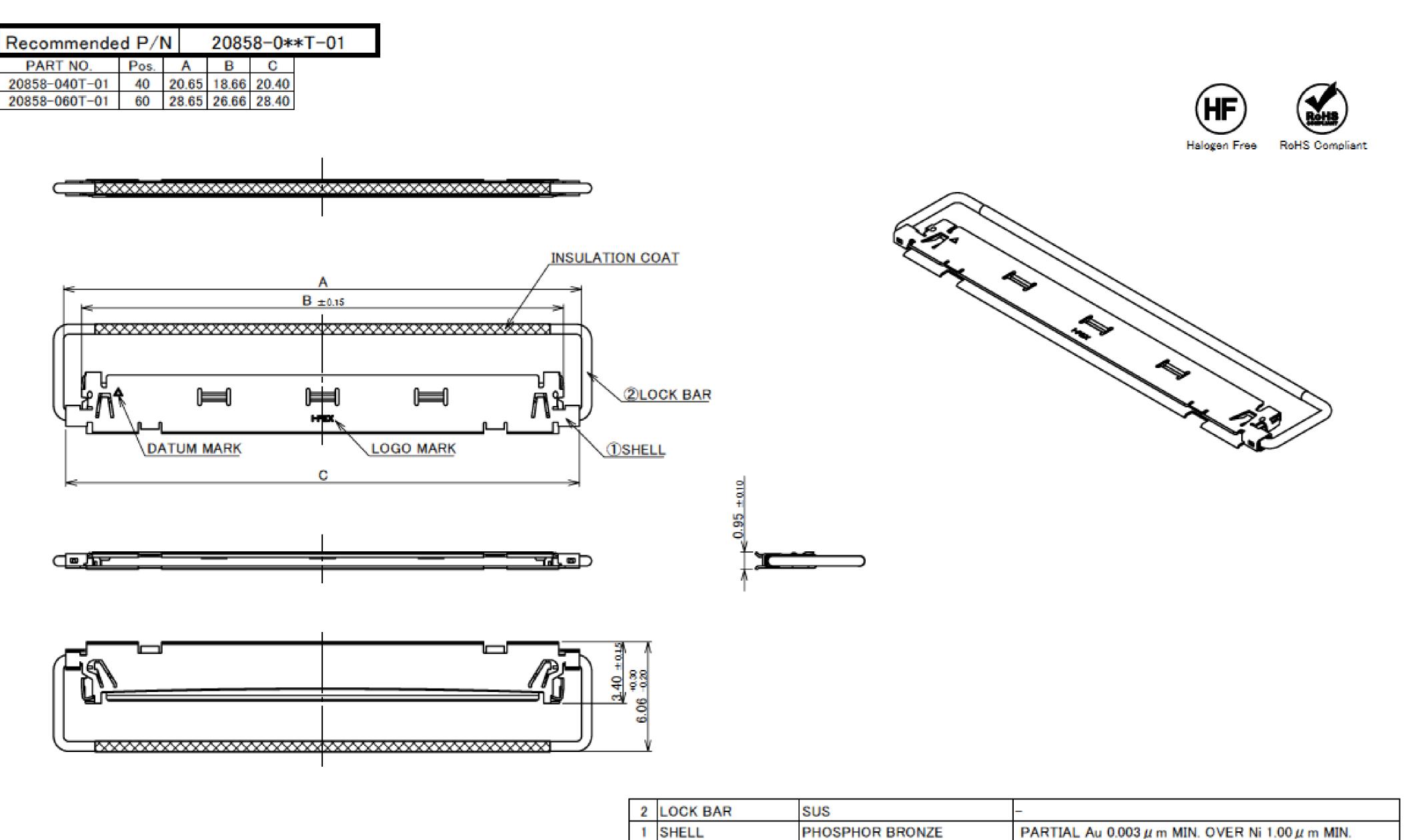
Component Parts Details

Component Parts





Shell Assembly

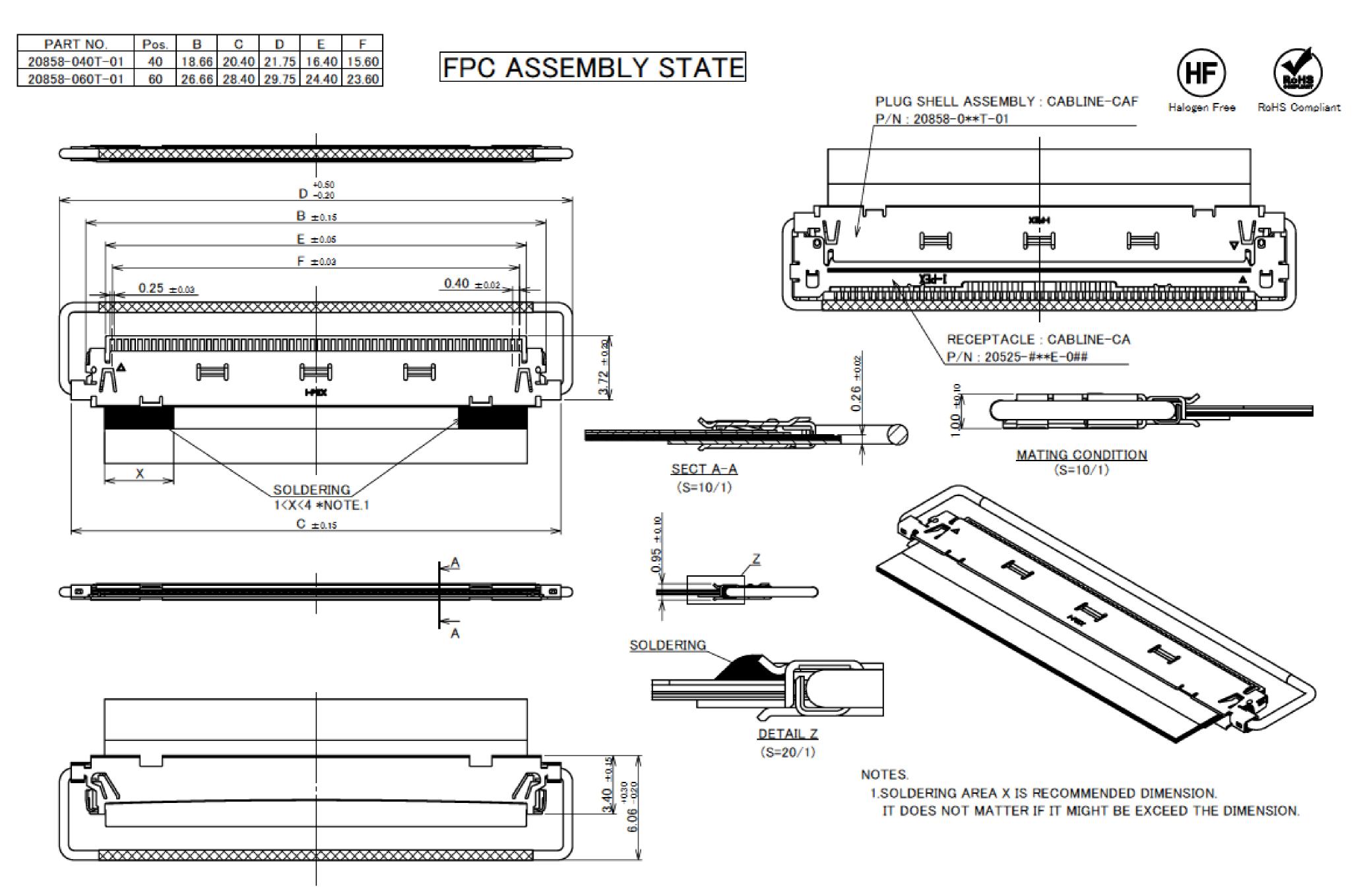


DISCRIPTION

MATERIAL

Rev.9

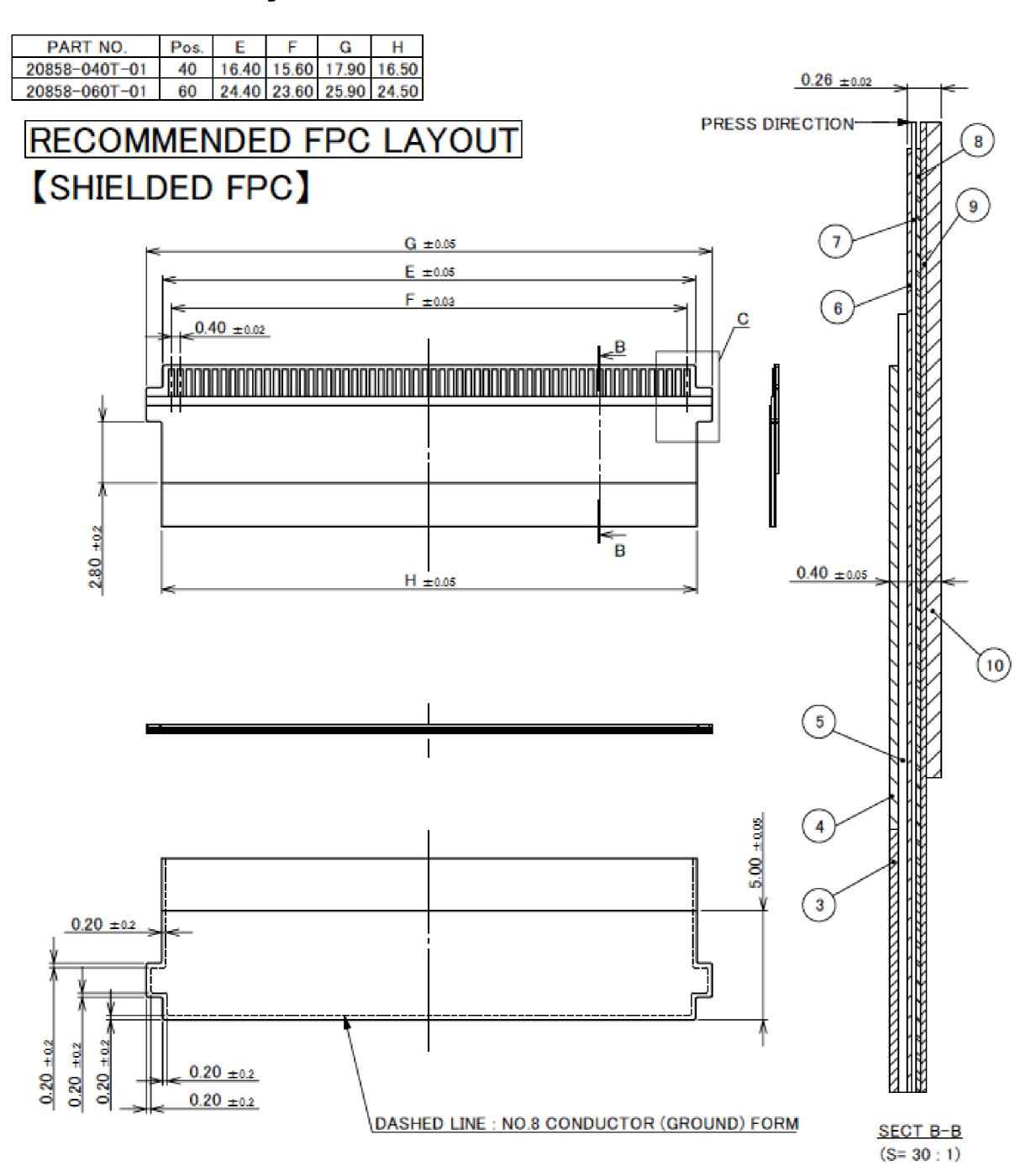
FINISH, REMARKS

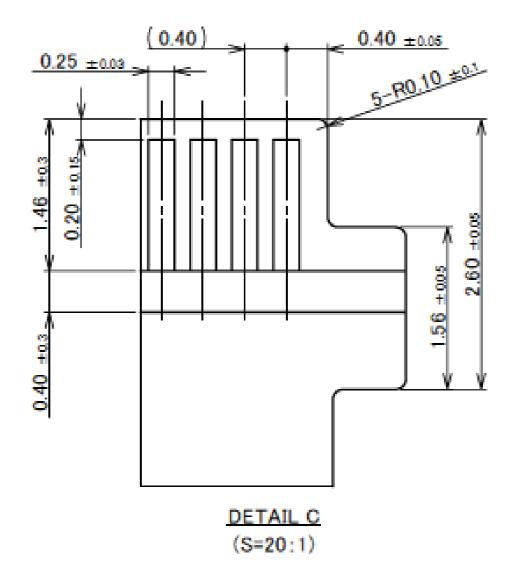


Rev.9



Shell Assembly



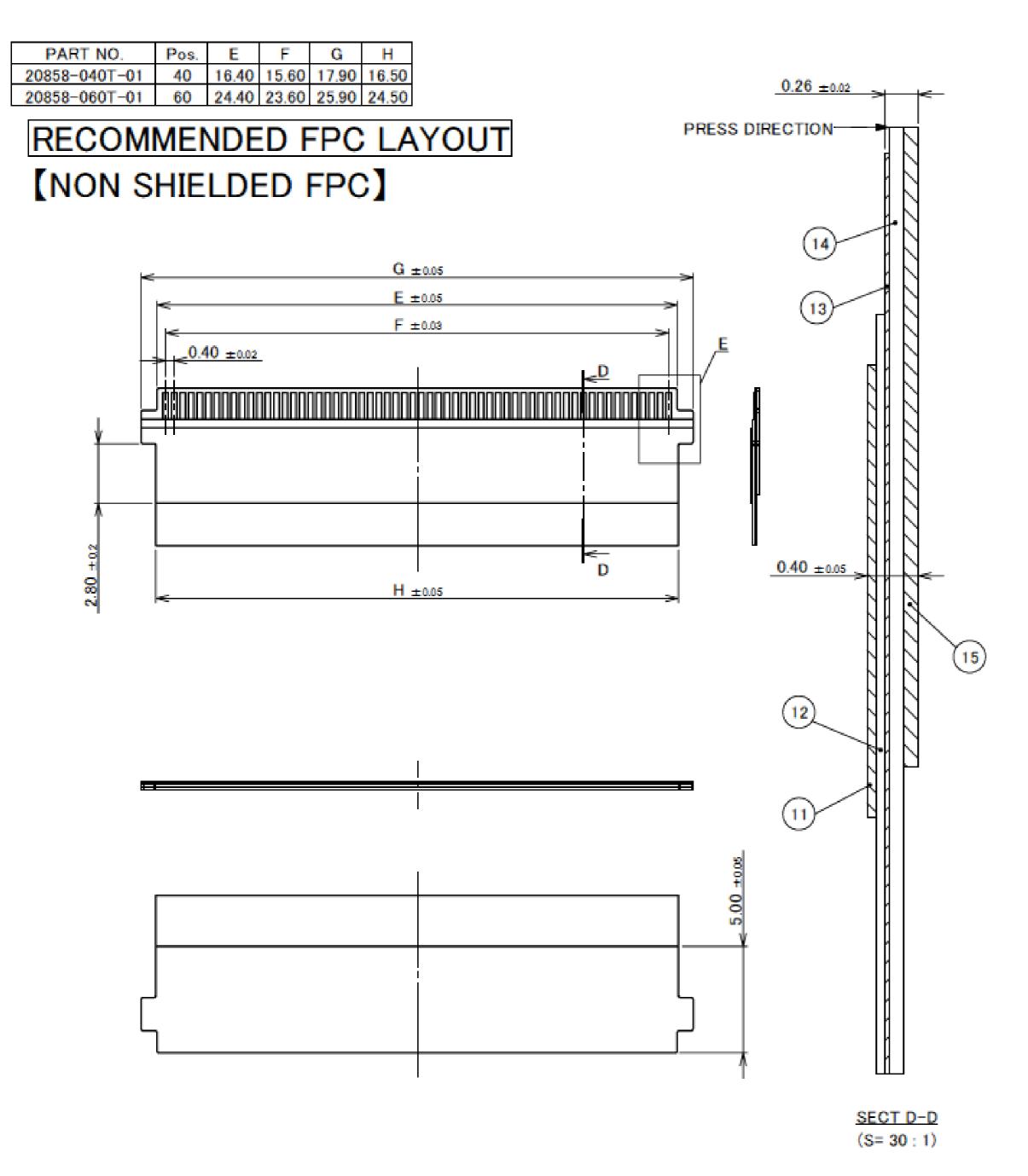


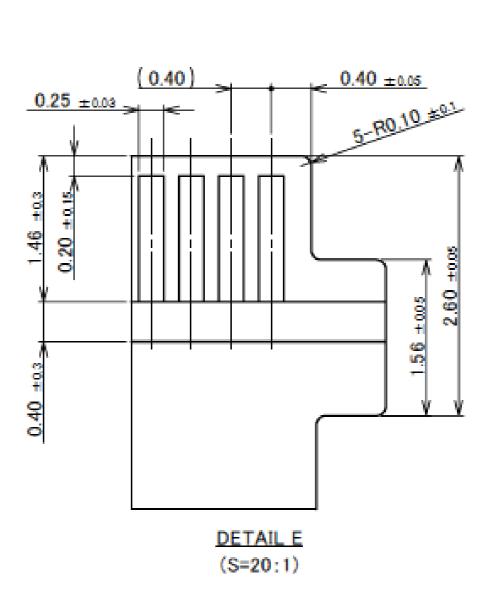
NOTES.

- ADHESIVE SHOULD USE THERMOSETTING.
- 2. NO.3: SHIELD FILM AND NO.4, NO.8: CONDUCTOR (GROUND) ARE CARRYING OUT THE ELECTRICAL CONNECTION.
- 3. NO.4 : CONDUCTOR (GROUND) AND NO.8 : CONDUCTOR (GROUND) ARE CARRYING OUT THE ELECTRICAL CONNECTION.
- 4. NO.3: SHIELD FILM AND NO.6: CONDUCTOR (SIGNAL) ARE
- NOT CONTACTING.
- 5. NO.4, NO.8: CONDUCTOR (GROUND) AND NO.6: CONDUCTOR (SIGNAL) ARE NOT CONTACTING.

3	SHIELD FILM	-	_	
4	CONDUCTOR (GROUND)	Cu	Ni, Au	
5	INSULATOR	ı	_	
6	CONDUCTOR (SIGNAL)	Cu	Ni, Au	
7	INSULATOR	-	_	
8	CONDUCTOR (GROUND)	Cu	Ni	
9	INSULATOR	-	_	
10	REINFORCING TAPE	-	_	
No.	DESCRIPTION	MATERIAL	PLATING	

Rev.9





NOTES.

- ADHESIVE SHOULD USE THERMOSETTING.
- 2. NO.11: CONDUCTOR (GROUND) AND NO.1: SHELL ARE CARRYING OUT THE ELECTRICAL CONNECTION BY SOLDERING.
- 3. NO.11: CONDUCTOR (GROUND) AND NO.13: CONDUCTOR (SIGNAL) ARE NOT CONTACTING.

11	CONDUCTOR (GROUND)	Cu	Ni, Au
12	INSULATOR	_	_
13	CONDUCTOR (SIGNAL)	Cu	Ni, Au
14	INSULATOR	-	-
15	REINFORCING TAPE	-	-
No.	DESCRIPTION	MATERIAL	PLATING



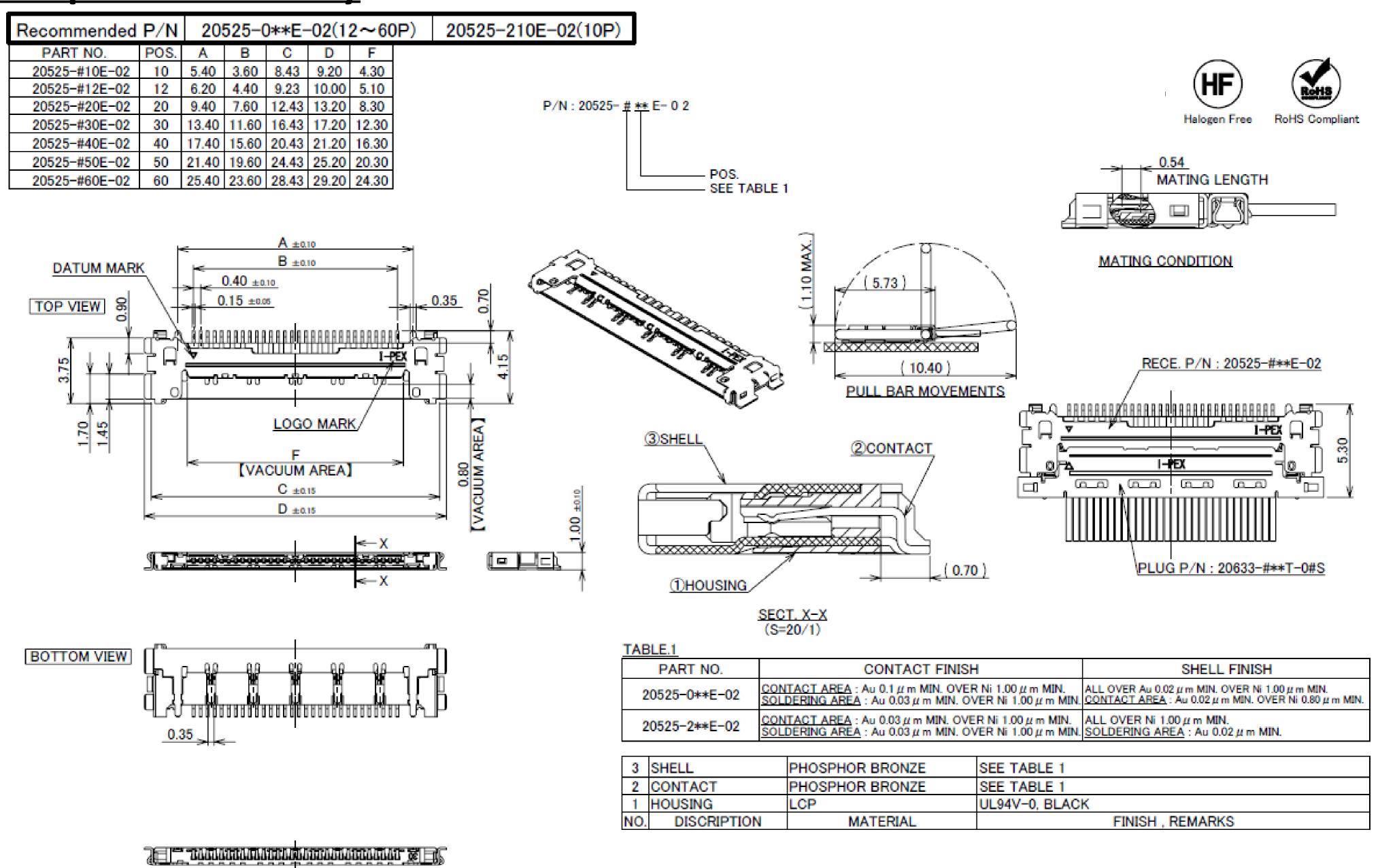


Shell Assembly

ITEMS	SPECIFICATION				
RATING VOLTAGE	100V AC (PER CONTACT)				
RATING AMPERAGE (FOR SIGNAL CONTACT)	0.5A AC/DC (PER CONTACT) %AVAILABLE UP TO 14PIN 0.3A AC/DC (PER CONTACT) %AVAILABLE UP TO ALL 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)	40P: 11.07N MAX. 60P: 16.61N MAX.				
UNMATING FORCE (INITIAL / AFTER TEST)	40P: 1.44N MIN. 60P: 2.16N MIN.				
PRODUCT SPECIFICATION	PRS-2465				
TEST REPORT	TR-18016				
PACKING STANDARD	PST-17138				
INSTRUCTION MANUAL	HIM-18016				
ASSEMBLY MANUAL	ASM-18005				
APPEARANCE CRITERIA No.	QLS-A***				

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Receptacle Assembly

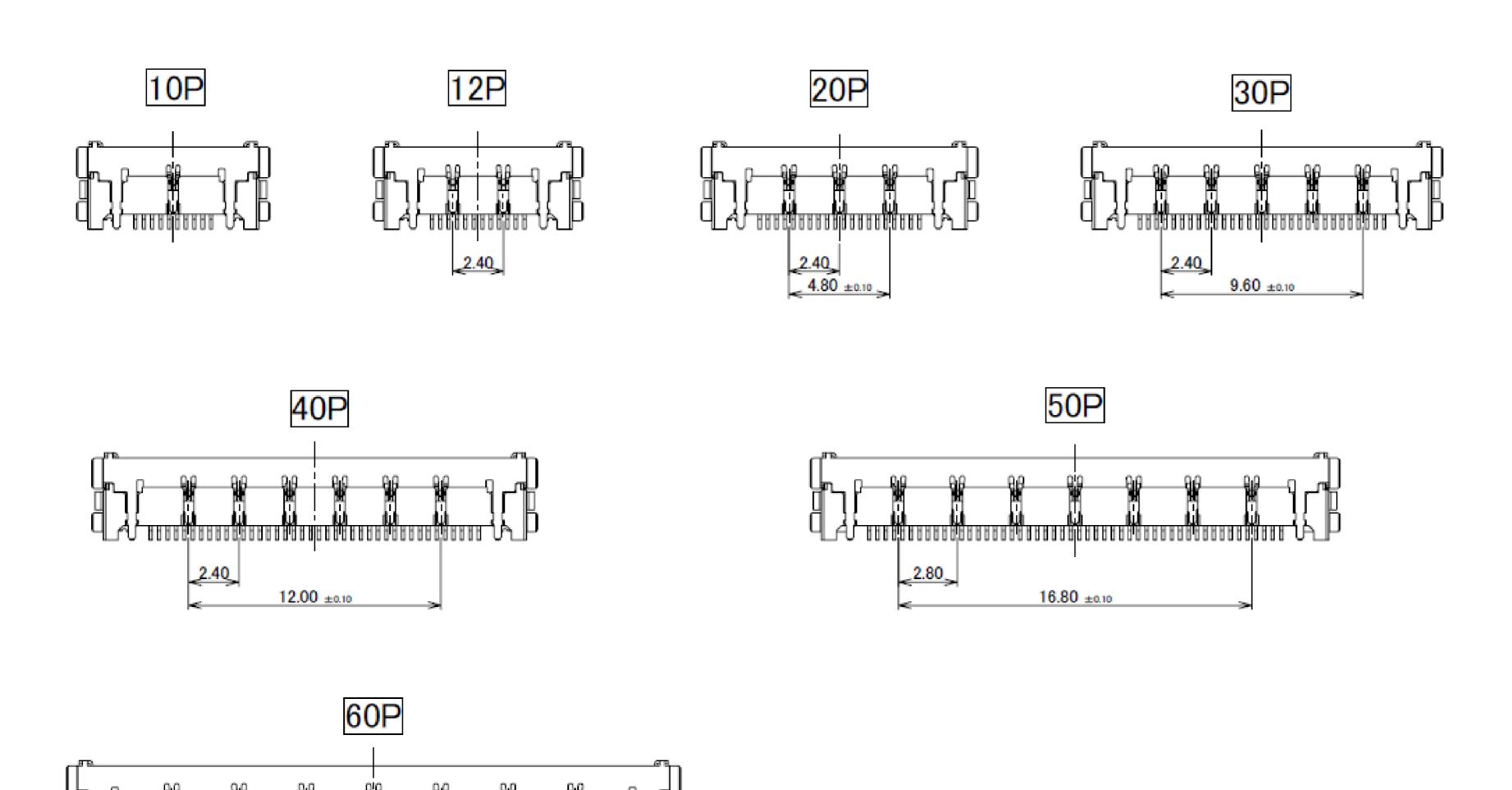


I-PEX

Receptacle Assembly

PART NO. 20525-#**E-02

BOTTOM VIEW

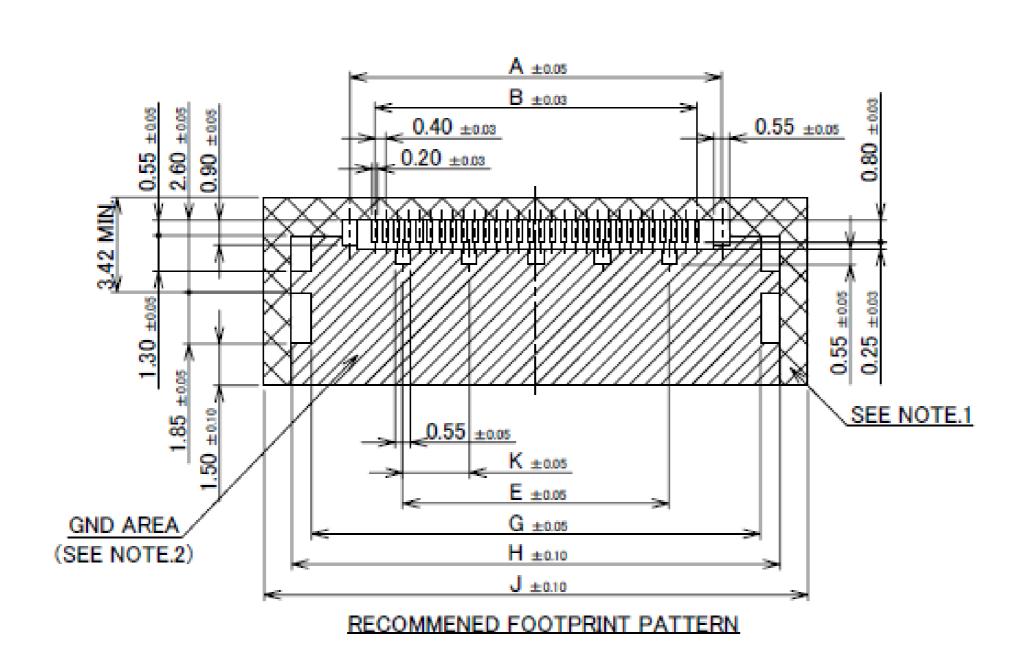


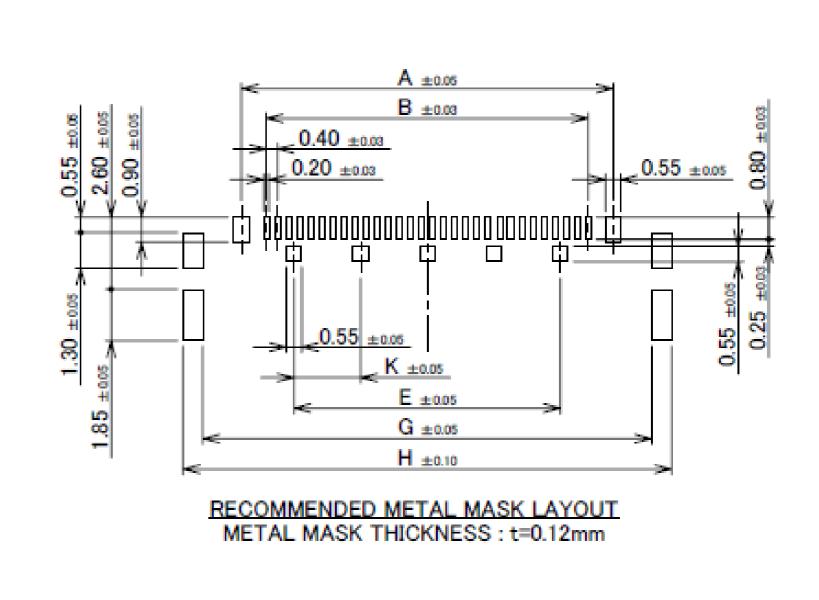
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PART NO.	POS.	Α	В	E	G	Η	J	K
20525-#10E-02	10	5.40	3.60	ı	8.18	9.60	11.60	ı
20525-#12E-02	12	6.20	4.40	2.40	8.98	10.40	12.40	•
20525-#20E-02	20	9.40	7.60	4.80	12.18	13.60	15.60	2.40
20525-#30E-02	30	13.40	11.60	9.60	16.18	17.60	19.60	2.40
20525-#40E-02	40	17.40	15.60	12.00	20.18	21.60	23.60	2.40
20525-#50E-02	50	21.40	19.60	16.80	24.18	25.60	27.60	2.80
20525-#60E-02	60	25.40	23.60	19.20	28.18	29.60	31.60	3.20

< 3.20

19.20 ±0.10





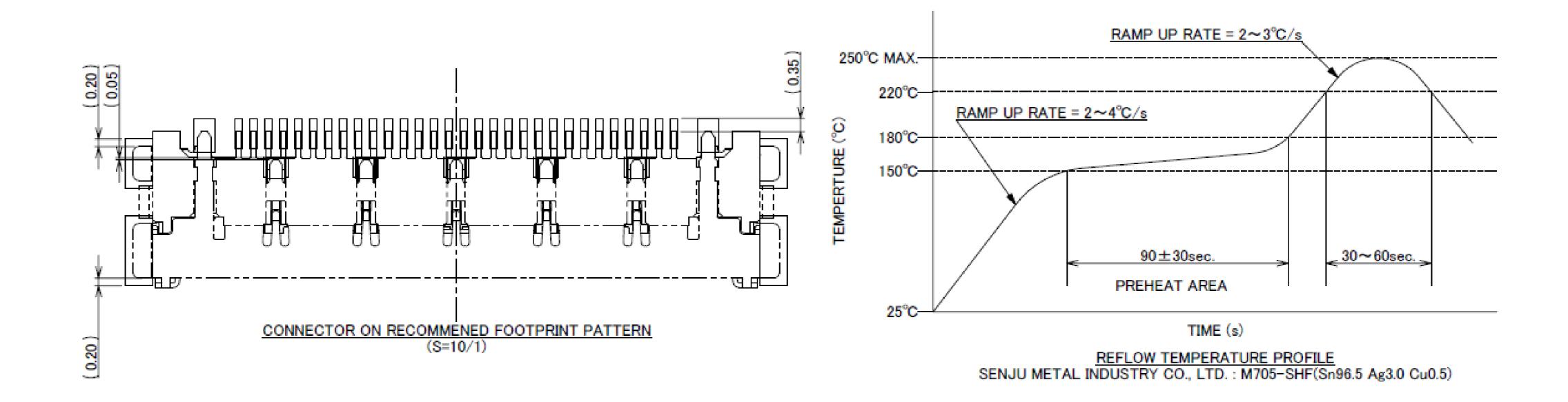
NOTES.

1. IN CASE OF PLUG WITH PULL BAR(20633-#**T-01S), DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA.

2. SOLDER RESIST MUST BE APPLIED TO THIS AREA.



Receptacle Assembly



Rev.31

FOR CABLINE-CAF PLUG SHELL ASSEMBLY (DWG NO. 20858)

ITEMS	SPECIFICATION				
RATING VOLTAGE	100V AC (PER CONTACT PIN)				
RATING AMPERAGE (FOR CONTACT)	0.5A AC/DC (PER CONTACT PIN) %AVAILABLE UP TO 14PIN 0.3A AC/DC (PER CONTACT PIN) %AVAILABLE FOR ALL PIN %TESTING BY A REAL MACHINE IS RECOMMENDED BECAUSE TEMPERATURE RISE MAY AFFECTED BY ACTUAL SITUATION.				
OPERATING TEMPERATURE	233~358K(-40°C~+85°C)				
OPERATING HUMIDITY	85% MAX.				
CONTACT RESISTANCE (FOR SIGNAL CONTACT)	INITIAL: 60mohm MAX. / AFTER TEST: ∠140mohm 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)	40P: 11.07N MAX. 40P: 16.61N MAX.				
UNMATING FORCE (INITIAL / AFTER TEST)	30P: 1.44N MIN. 40P: 2.16N MIN.				
COPLANARITY	0.10 MAX.				
PRODUCT SPECIFICATION	PRS-2465				
TEST REPORT	TR-18016				
PACKING STANDARD	300-824				
INSTRUCTION MANUAL	HIM-18016				
APPEARANCE CRITERIA NO.	QLS-A***				

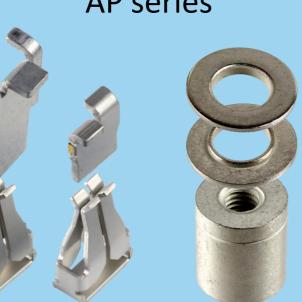


Custom
Connectors
Available

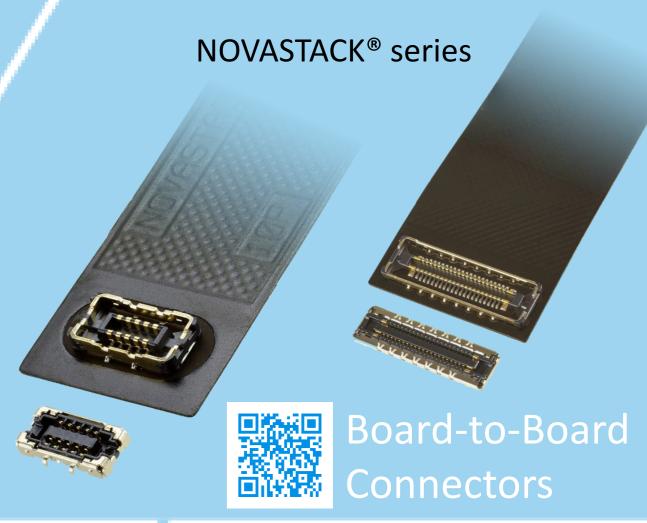




AP series







MINIFLEX® series















EVAFLEX® series

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Contact your sales representative or more detailed information.

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