CABLINE®-CAF

기계식 Lock 기능, 쉴드, 멀티 그라운드 접점, 0.4mm Pitch, 수평 결합 타입 FPC Plug 커넥터

Product Specifications:					
Mating type		Horizontal			
Board Pitch (mm)		0.4			
Wiping Length (mm)		-			
	Height	1.0 +/- 0.1			
Mated size (mm)	Width	Formula: 5.75 + (0.4 x ? p)			
(11111)	Depth	6.06			
Din Counts	Range	Up to 60			
Pin Counts	Available	40, 60			

Applicable FPC				
FPC Type	Shielded/Non-shielded FPC			
FPC Pitch (mm)	0.4			
FPC Contact Point	Тор			
FDC Thickness (mm)	Contact Area: 0.26 \pm 0.02			
FPC Thickness (mm)	Ground Area: 0.40 ± 0.05			
A 12 1 1 C. 1 1 /D C				

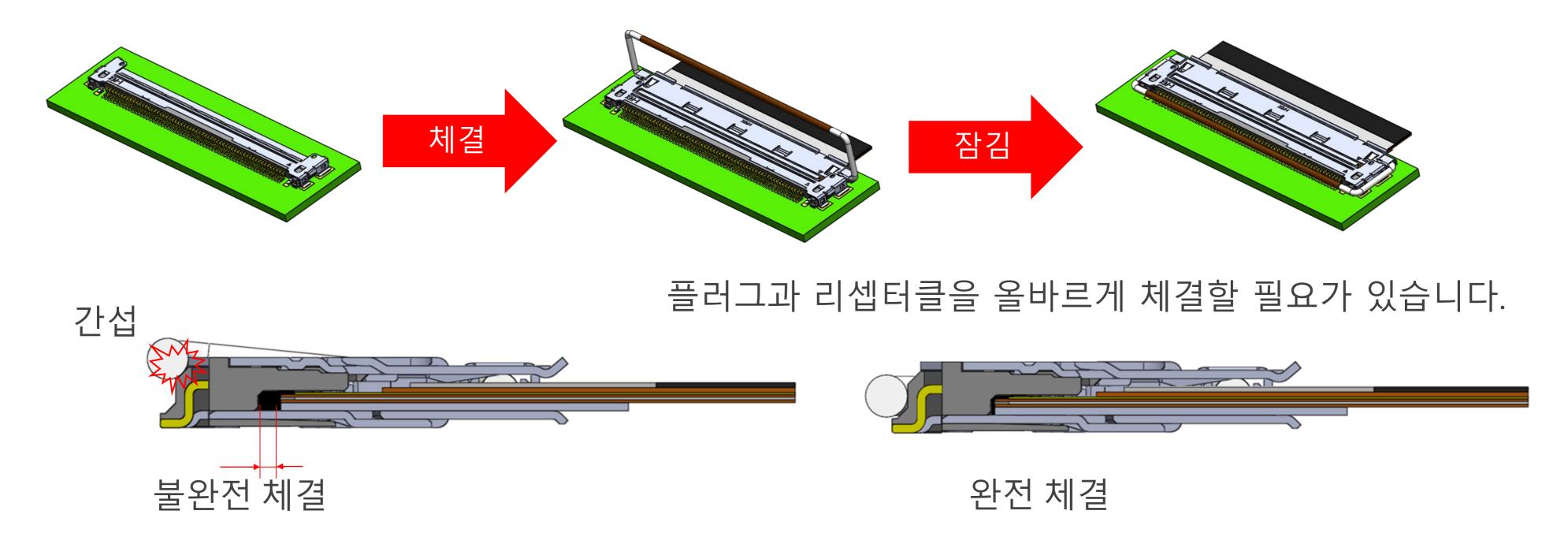
Applicable Standards (Reference Only):

PCIe® Gen 4 (16 GT/s/Lane), USB3.2 Gen2 (10 Gbps/Lane) eDP HBR 3 (8.1 Gbps/Lane), USB3.2 Gen1(5 Gbps/Lane)

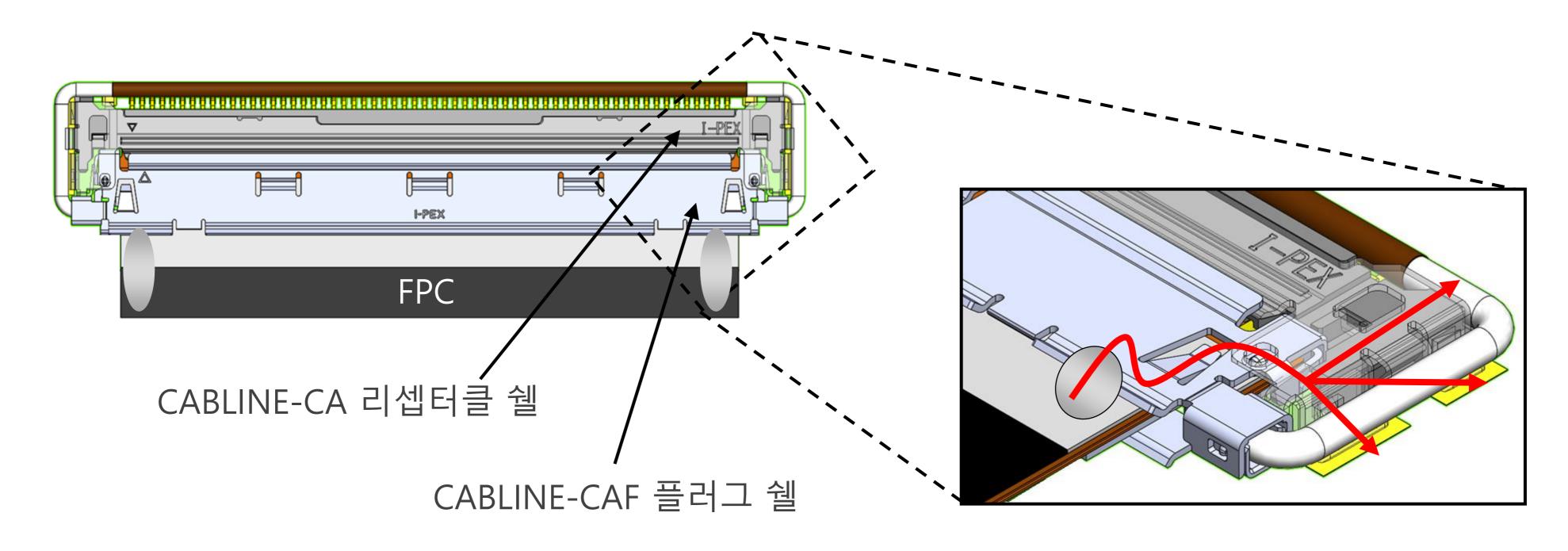


*기재가 되어있지 않은 핀 수의 대응 여부에 대해서는 문의해 부탁 드립니다.

기계식 Locking bar에 의한 불완전 결합 방지와 Plug 이탈 방지

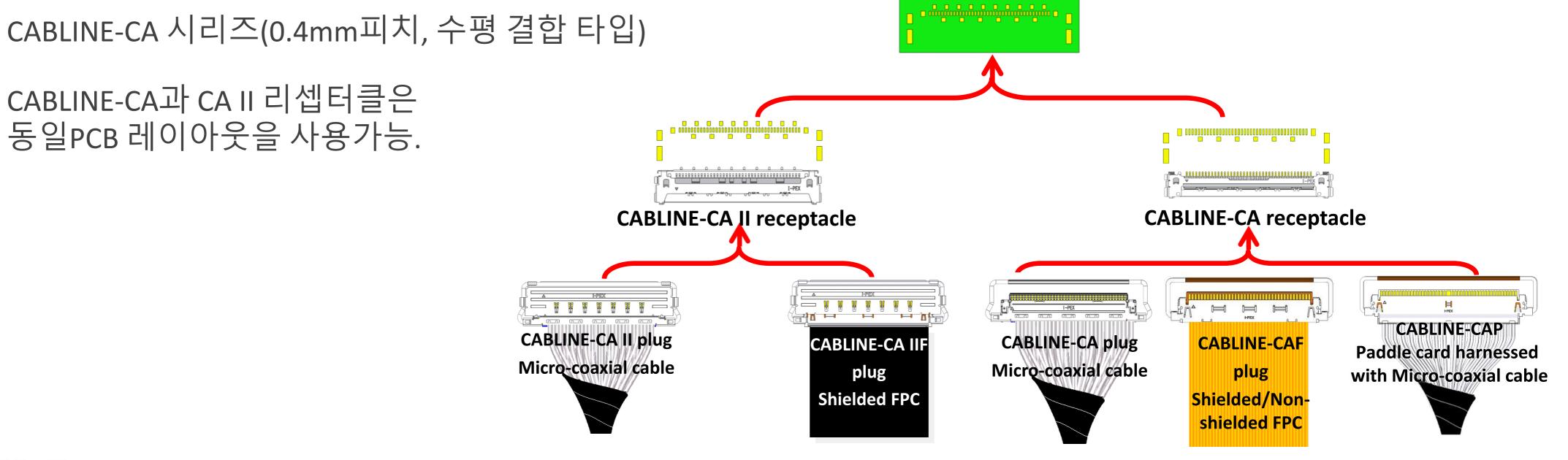


EMI 쉴드와 멀티 그라운드 접점 설계



CABLINE®-CA 시리즈의 다양한 커넥터 접속 옵션

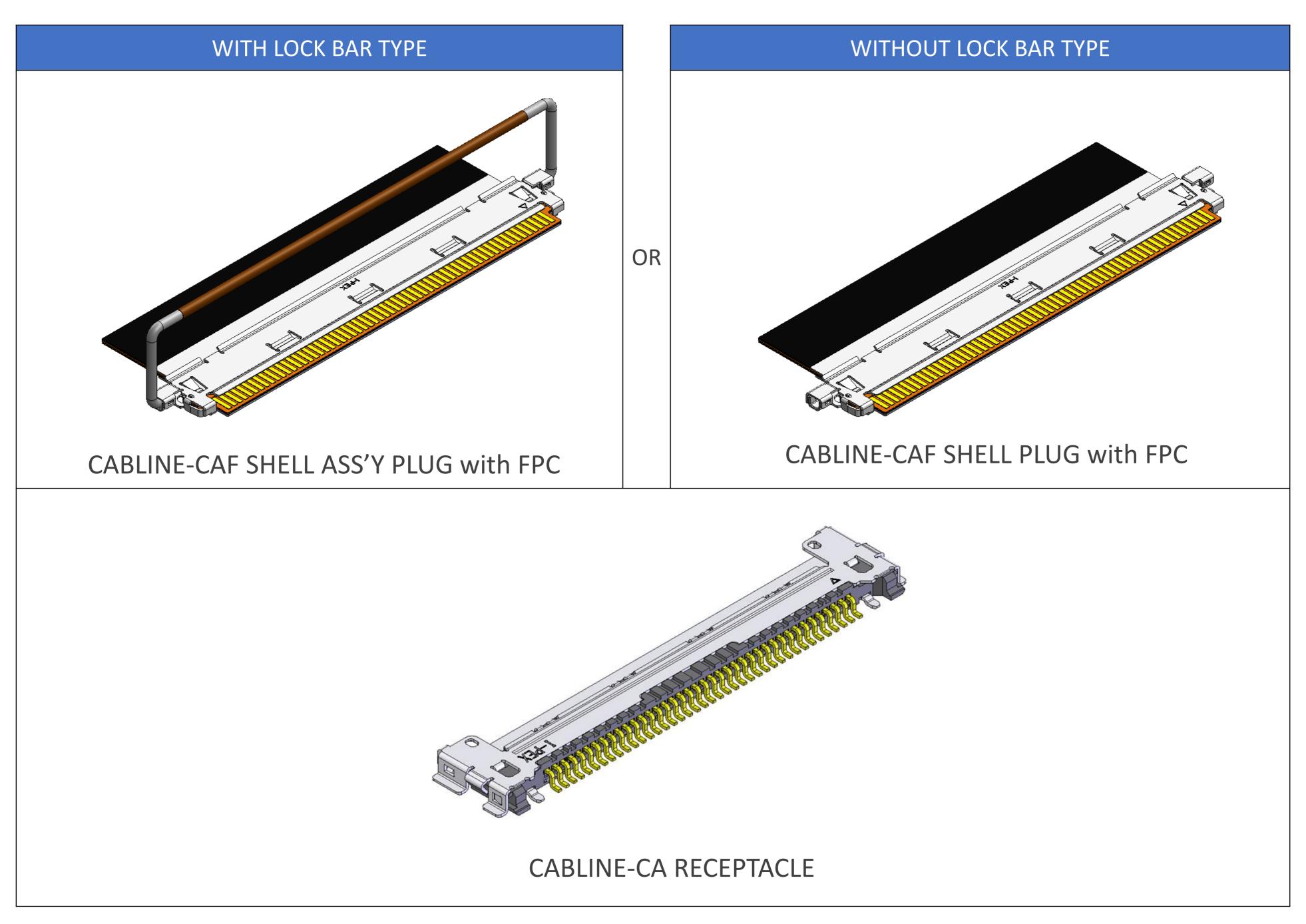
CABLINE-CA과 CA II 리셉터클은 동일PCB 레이아웃을 사용가능.





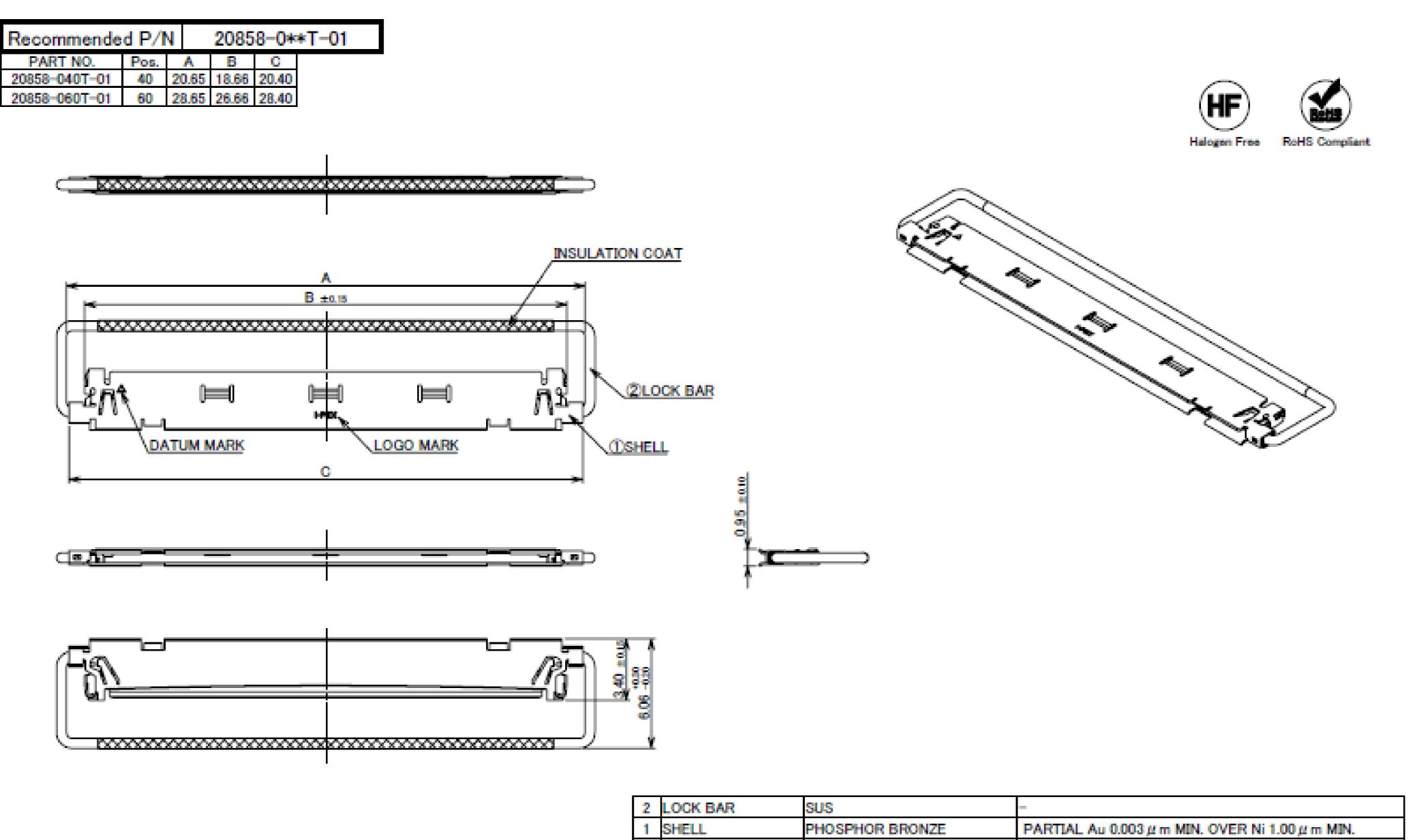
Component Parts Details

Component Parts





Shell Assembly

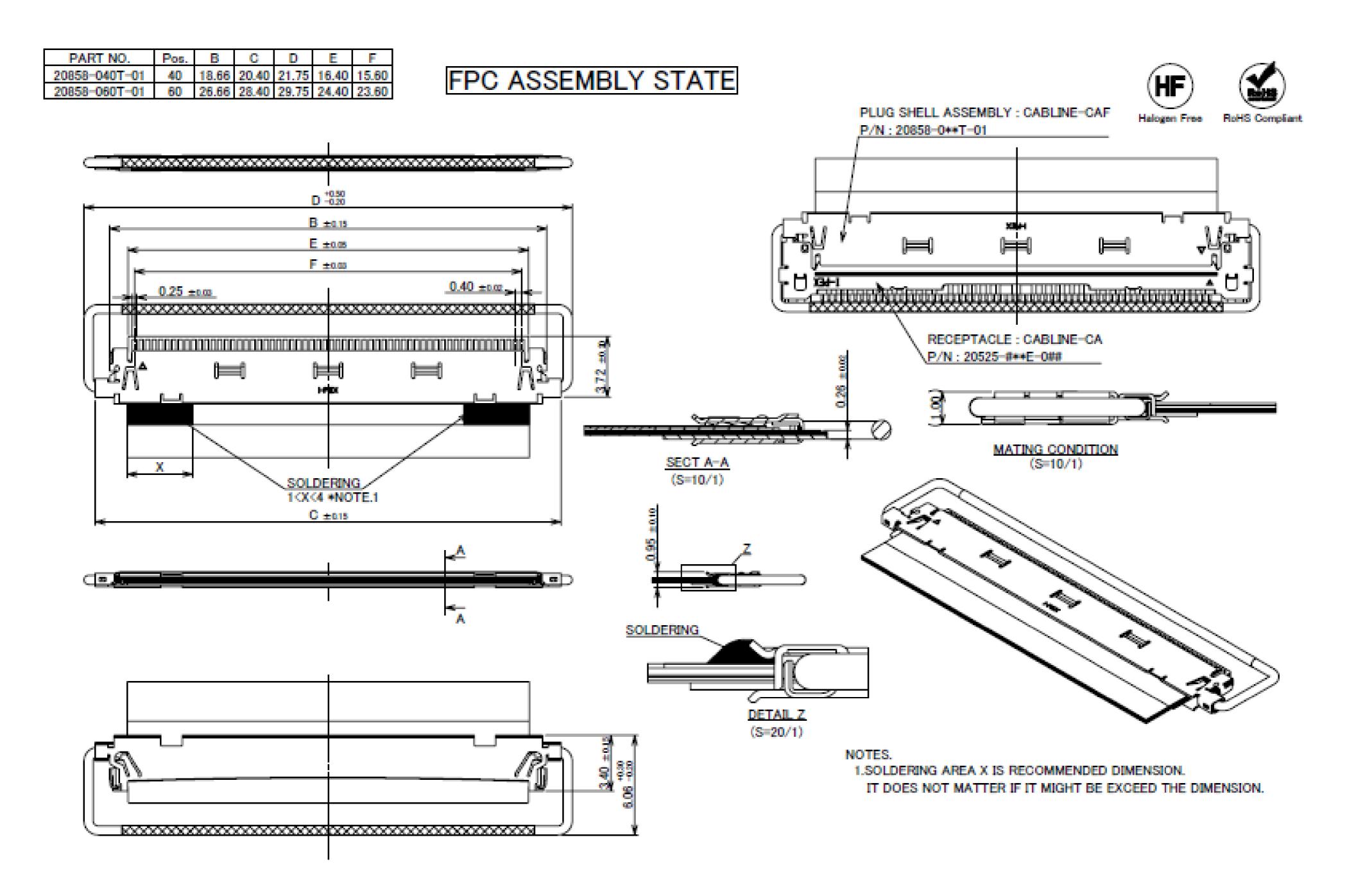


DISCRIPTION

MATERIAL

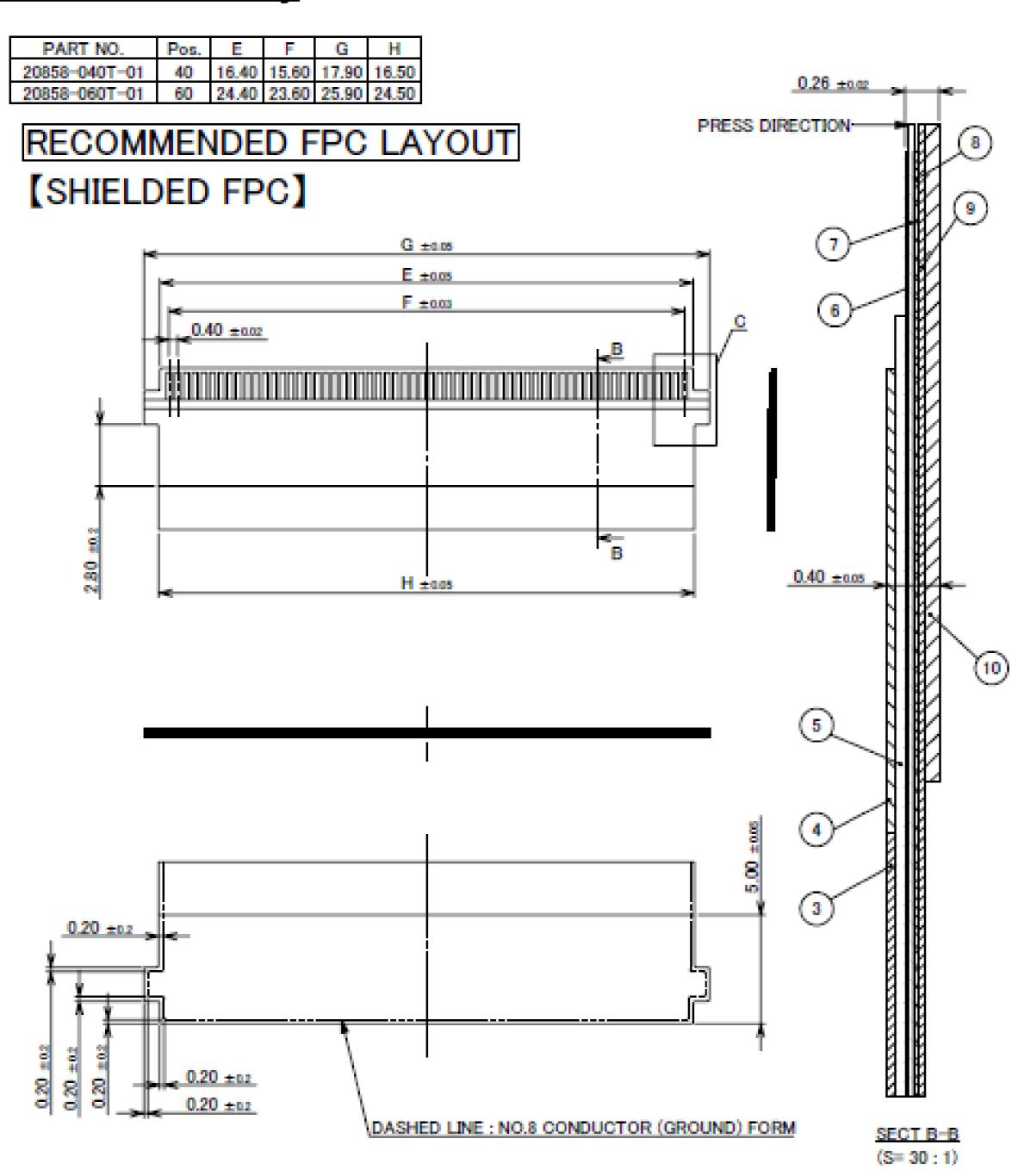
Rev.8

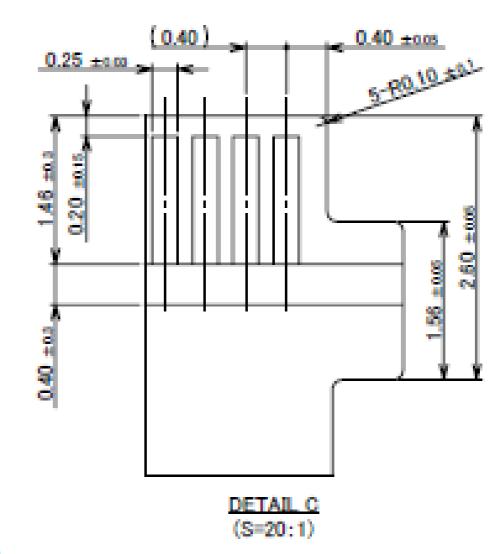
FINISH, REMARKS





Shell Assembly





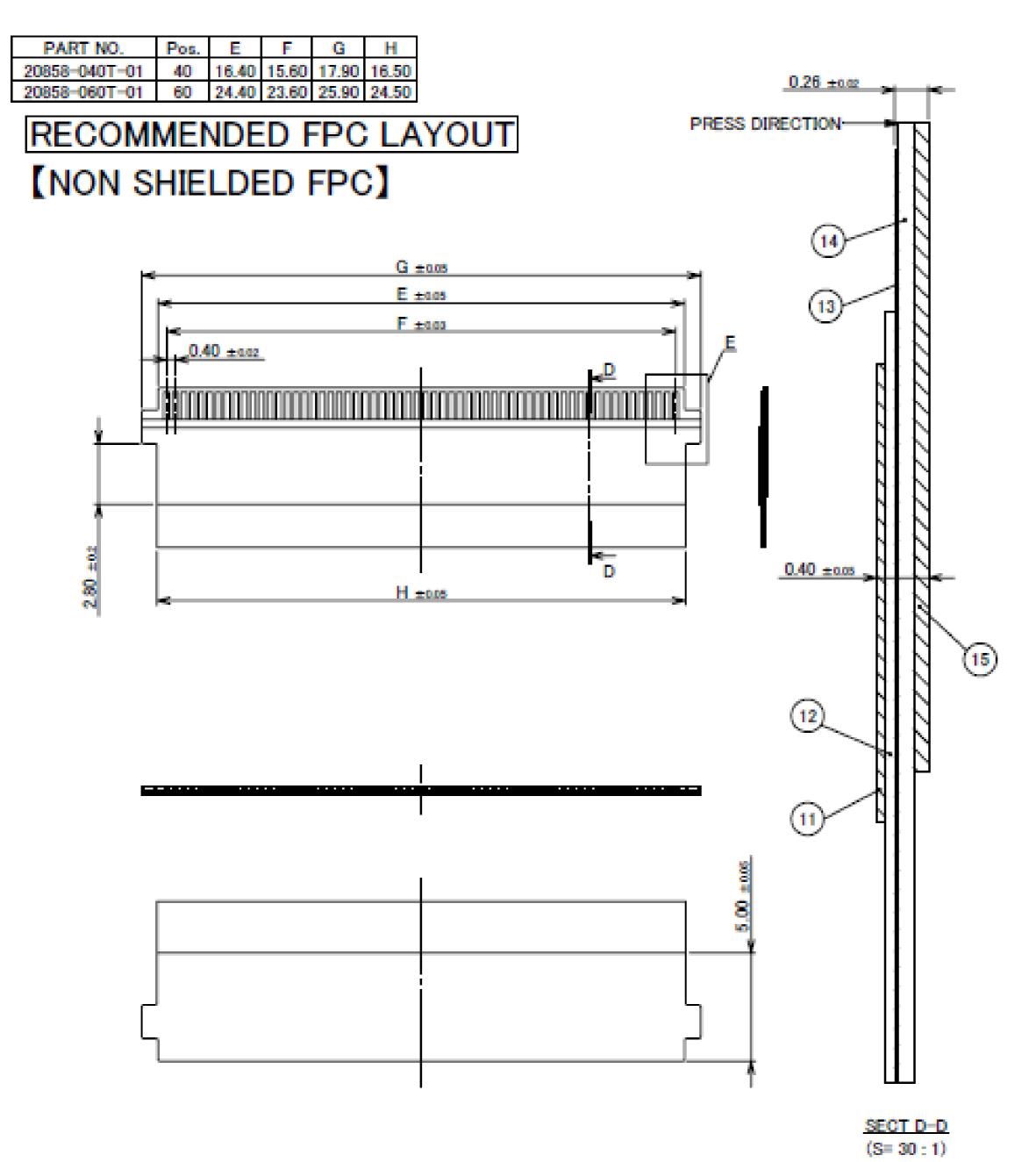
NOTES.

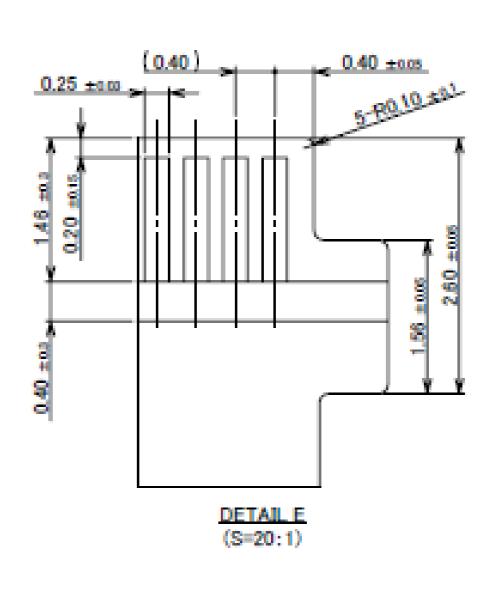
- 1. ADHESIVE SHOULD USE THERMOSETTING.
- 2. NO.3: SHIELD FILM AND NO.4, NO.8: CONDUCTOR (GROUND) ARE
- CARRYING OUT THE ELECTRICAL CONNECTION.

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

Rev.8





NOTES.

- 1. ADHESIVE SHOULD USE THERMOSETTING.
- 2. NO.11: CONDUCTOR (GROUND) AND NO.1: SHELL ARE CARRYING OUT THE ELECTRICAL CONNECTION BY SOLDERING.
- 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	-	-
Nia	DESCRIPTION	MATERIAL	DI ATINO

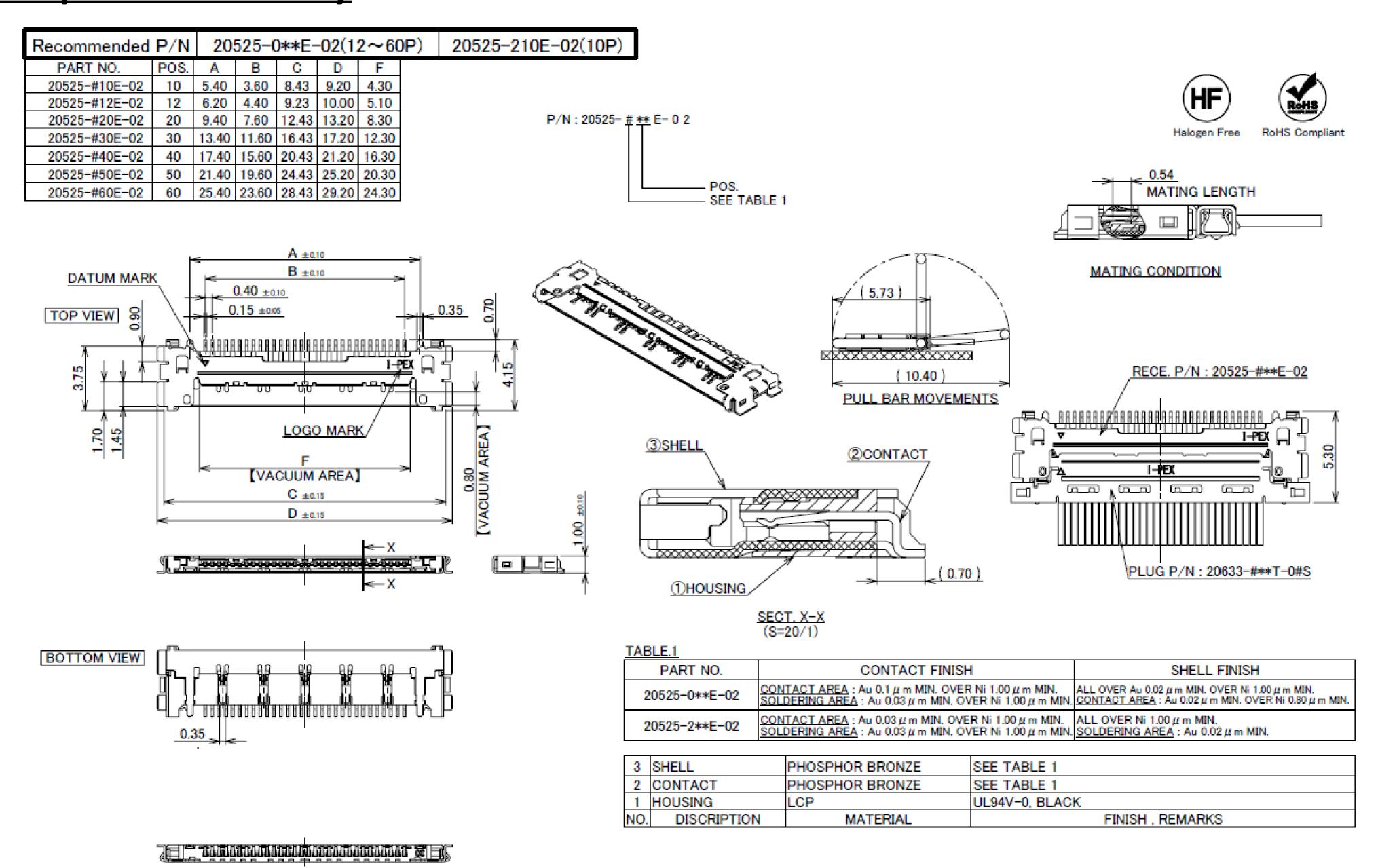


Shell Assembly

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***

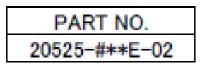
Rev.8

Receptacle Assembly

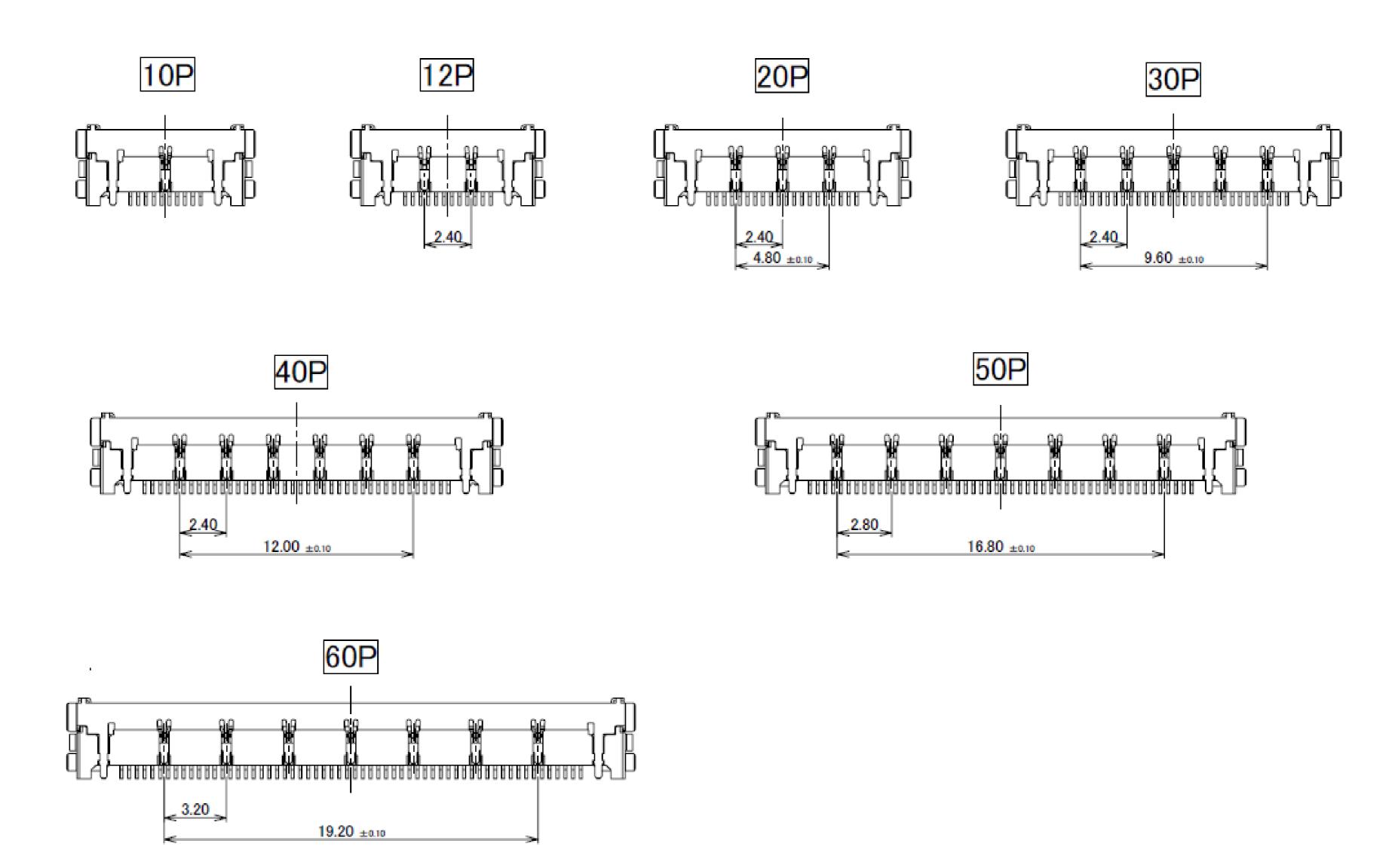


I-PEX

Receptacle Assembly



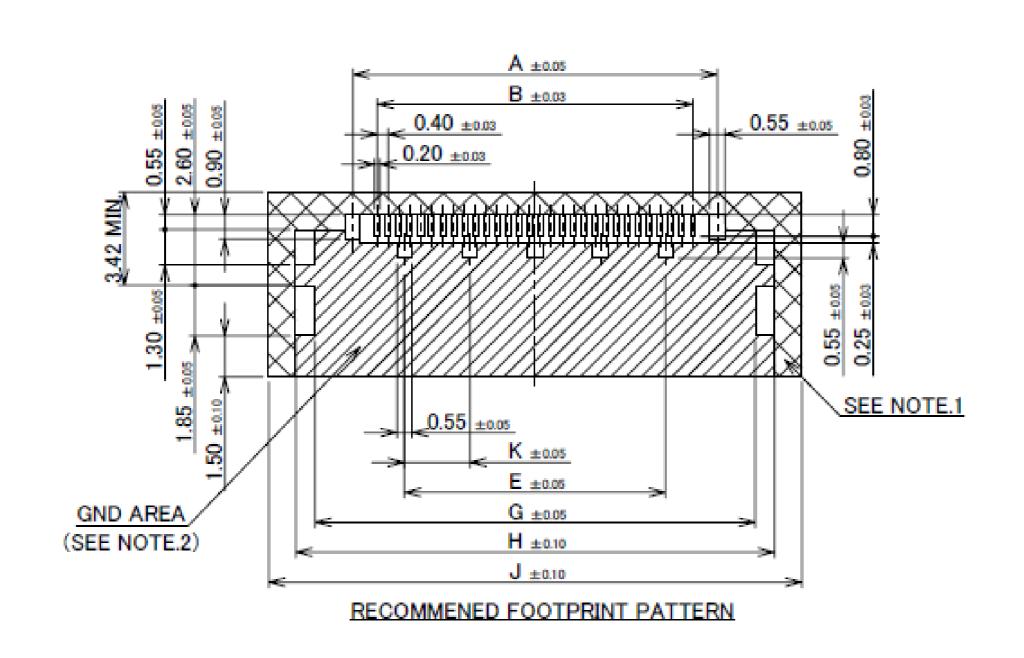
BOTTOM VIEW

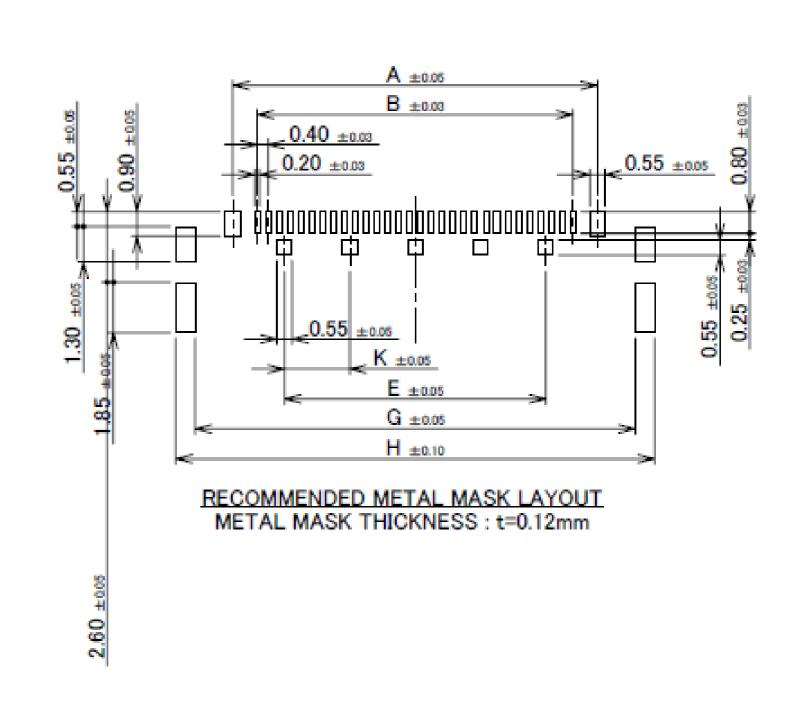


Rev.28

Receptacle Assembly

PART NO.	POS.	Α	В	Е	G	Η	J	K
20525-#10E-02	10	5.40	3.60	-	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





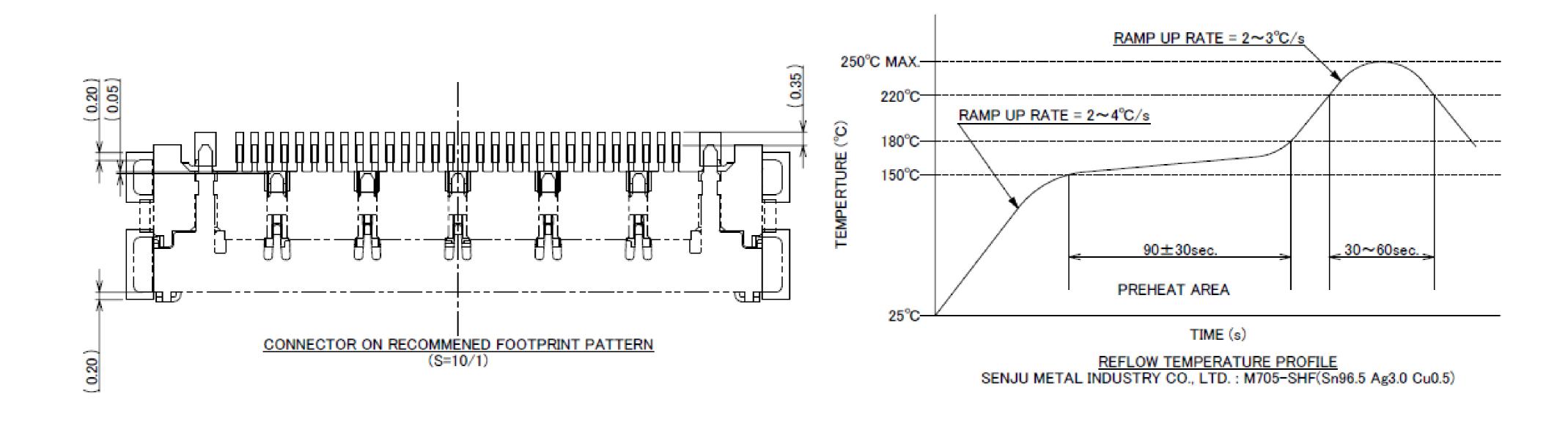
NOTES.

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.

I-PEX

Receptacle Assembly



Rev.28

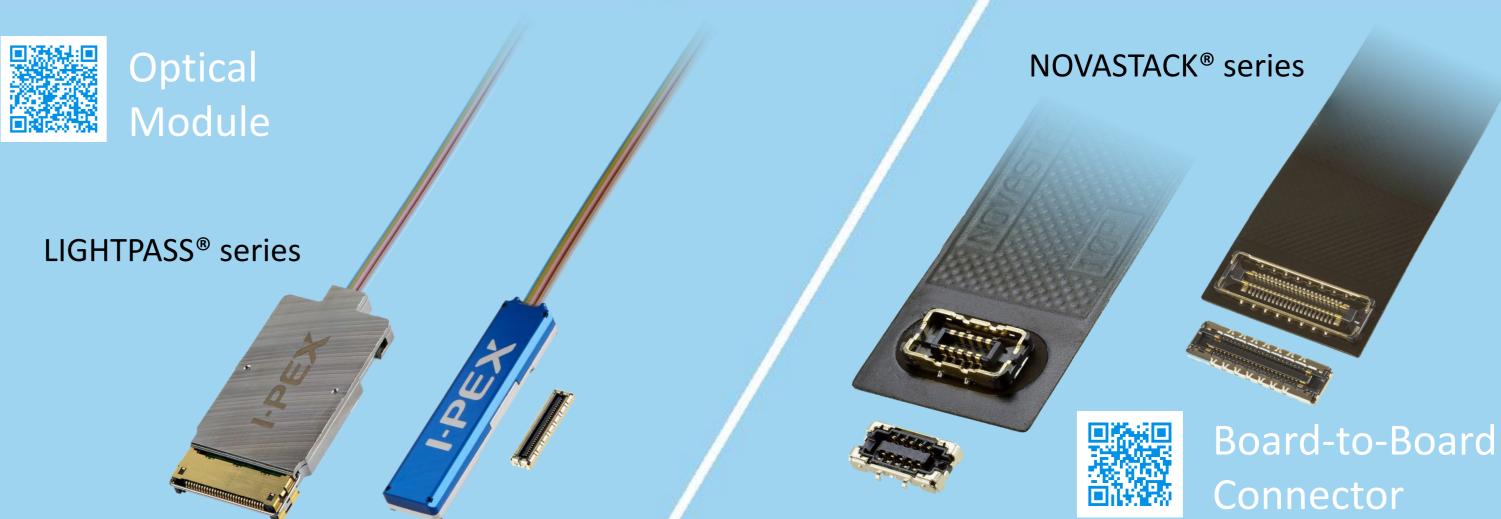
ITEMS	SPECIFICATION			
APPLICABLE CABLE	MICRO-COAXIAL CABLE: AWG# 44, 42, 40, 38, 36 DISCRETE WIRE: AWG# 36, 34 TWINAX CABLE: AWG# 40, 42			
RATING VOLTAGE	100V AC (PER CONTACT PIN)			
RATING AMPERAGE (FOR CONTACT)	0.1A AC/DC [AWG#44] PER CONTACT PIN/UP TO 60 CONTACTS 0.24A AC/DC [AWG#42] PER CONTACT PIN/UP TO 50 CONTACTS 0.3A AC/DC [AWG#40] PER CONTACT PIN/UP TO 40 CONTACTS 0.5A AC/DC [AWG#38] PER CONTACT PIN/UP TO 14 CONTACTS 0.8A AC/DC [AWG#36] PER CONTACT PIN/UP TO 6 CONTACTS 1.0A AC/DC [AWG#34] PER CONTACT PIN/UP TO 4 CONTACTS ***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. (NON-CONDENDING)			
CONTACT RESISTANCE	INITIAL: 180mohm MAX. (AWG#34) / AFTER TEST: \(\square \square 40mohm MAX. \) 275mohm MAX. (AWG#36) 360mohm MAX. (AWG#38) 600mohm MAX. (AWG#40) 700mohm MAX. (AWG#42) 1080mohm MAX. (AWG#44)			
GROUND SHELL RESISTANCE	INITIAL: 50mohm MAX. / AFTER TEST: ∠140mohm MAX.			
INSULATION RESISTANCE	INITIAL: 1000Mohm MIN. / AFTER TEST: 500Mohm MIN.			
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min			
DURABILITY	30 CYCLES			
MATING FORCE (INITIAL / AFTER 30 CYCLES)	10P: 7.80N MAX. 40P: 19.40N MAX. 12P: 8.20N MAX. 50P: 24.25N MAX. 20P: 9.70N MAX. 60P: 29.10N MAX. 30P: 14.55N MAX.			
UNMATING FORCE (INITIAL / AFTER 30 CYCLES)	10P: 1.00N MIN. 40P: 4.00N MIN. 12P: 1.20N MIN. 50P: 5.00N MIN. 20P: 2.00N MIN. 60P: 6.00N MIN. 30P: 3.00N MIN.			
CABLE RETENTION FORCE	10P: 4.90N MIN. 40P: 19.60N MIN. 12P: 5.88N MIN. 50P: 24.50N MIN. 20P: 9.80N MIN. 60P: 29.40N MIN. 30P: 14.70N MIN.			
COPLANARITY	0.10 MAX.			
PRODUCT SPECIFICATION	PRS-1968			
TEST REPORT	TR-14122 (20525-0**E-0#) / TR-16023 (20525-2**E-0#)			
PACKING STANDARD	300-824			
INSTRUCTION MANUAL	HIM-09008			
APPEARANCE CRITERIA No.	QLS-A***			



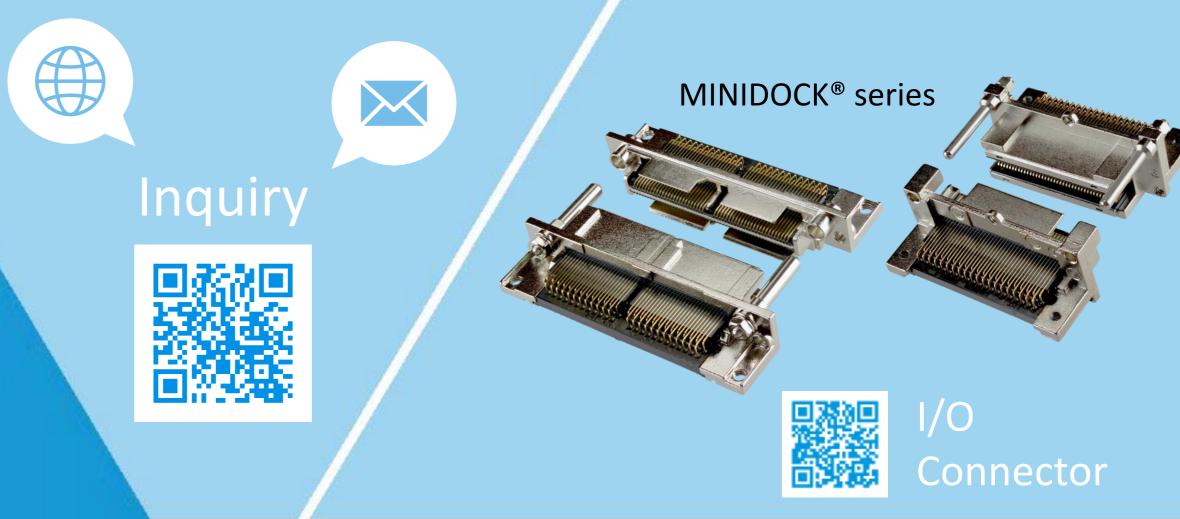
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