EVAFLEX® 5-HD

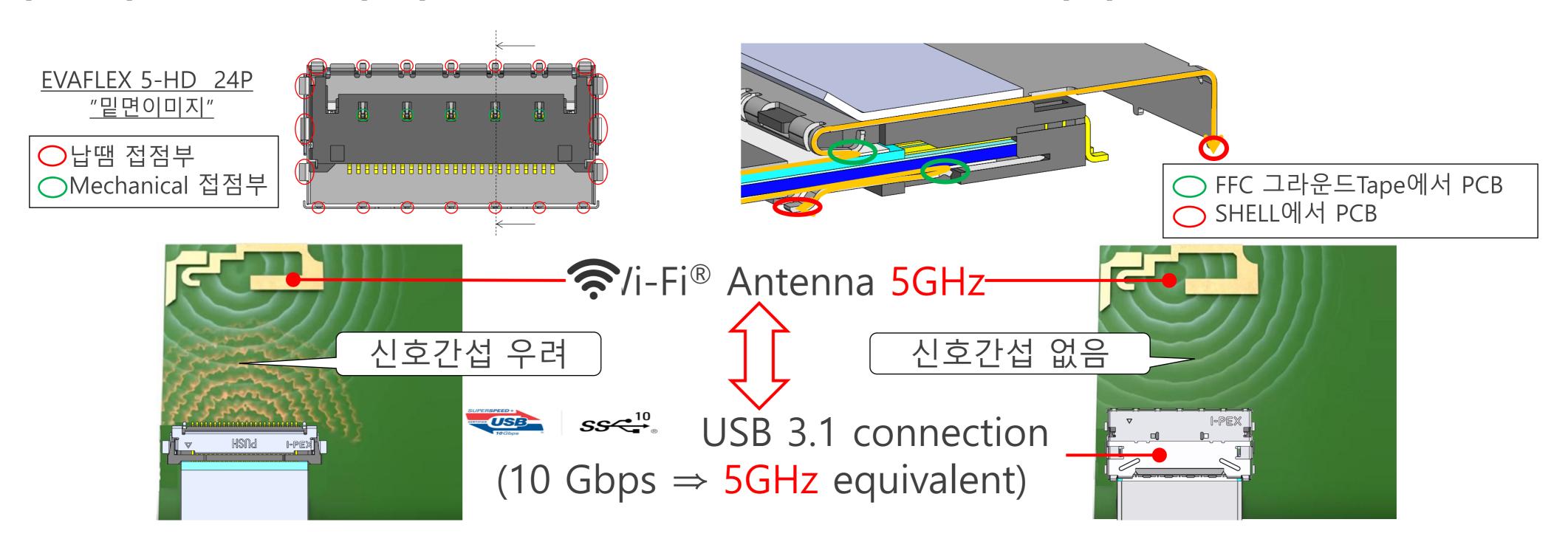
풀 쉴드, 고속 전송 대응, Auto-Lock, 수평 결합 타입, 0.5 mm pitch, 쉴드 FFC/FPC 커넥터

Product Specifications:						
Board Pi	tch (mm)	0.5				
Wiping Le	ngth (mm)	1				
	Height	2.00 +/- 0.20				
Size (mm)	Width	Formula: 5.2 + (0.5*?p)				
	Depth	8.43 +/- 0.30				
Pin counts	Range	10 - 40				
	Available	24				

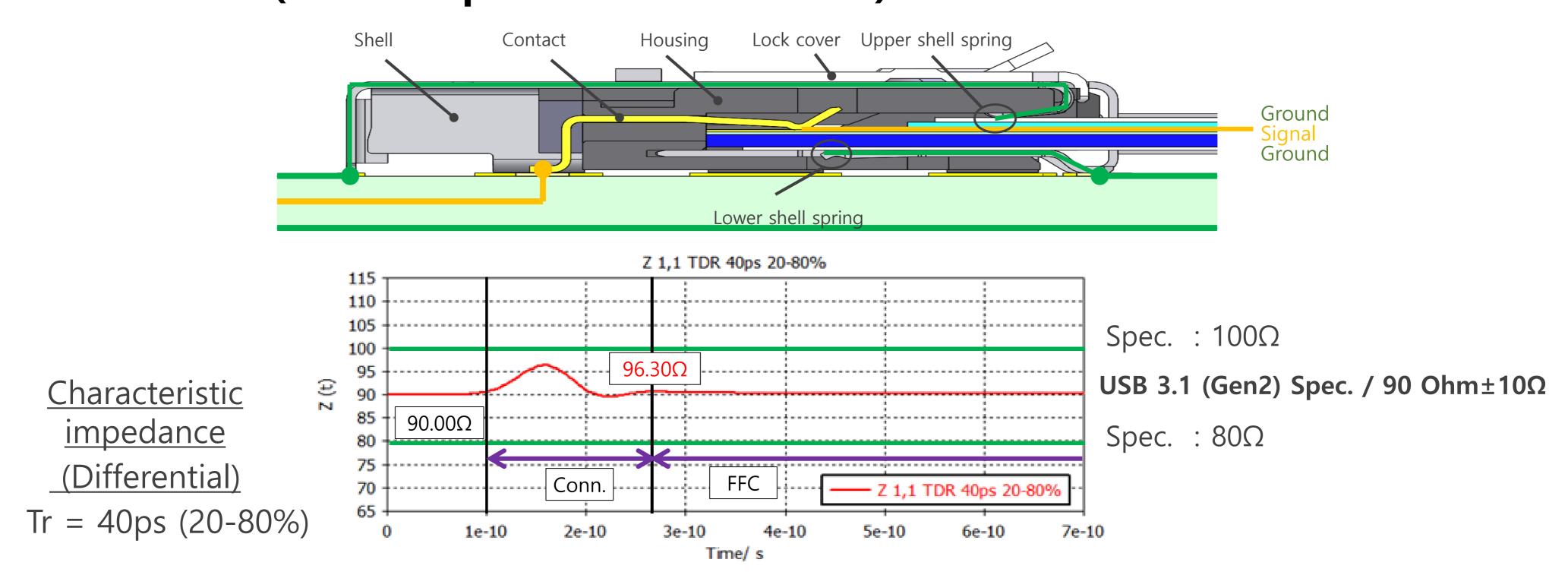
Applicable FPC/FFC:					
FPC/FFC Type	Shielded FFC & FPC				
FPC/FFC Contact Point	Тор				
FPC/FFC Thickness (mm)	0.3 +/- 0.03 Contact				
FPC/FFC Inickness (mm)	0.5 +/- 0.03 Ground				

USB4 (20 Gbps/lane) USB 3.1 Gen 2 (10 Gbps) USB 3.1 Gen 1 (5 Gbps) V-By-One HS 1.4 (4 Gbps)

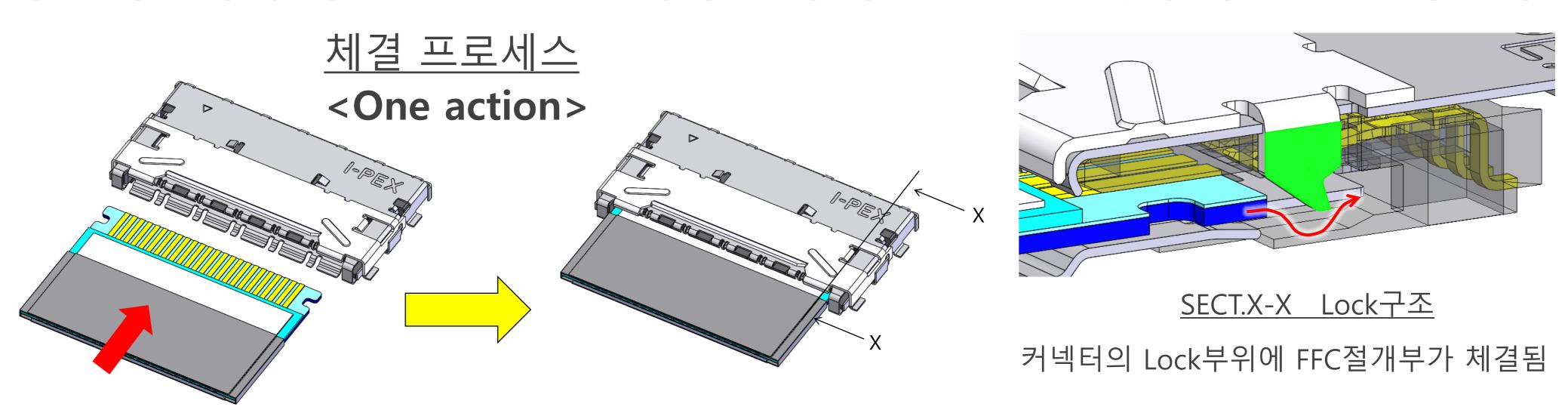
멀티 그라운드 접점에 의한 ZenShield® 풀 쉴드로 EMI 대책



고속 전송 설계 (10+ Gbps USB® 3.1 Gen 2)



▶ 체결 작업이 용이한 Auto Lock 디자인. 수작업 또는 로봇에 의한 조립 작업에 최적



<Position 1> FFC 삽입

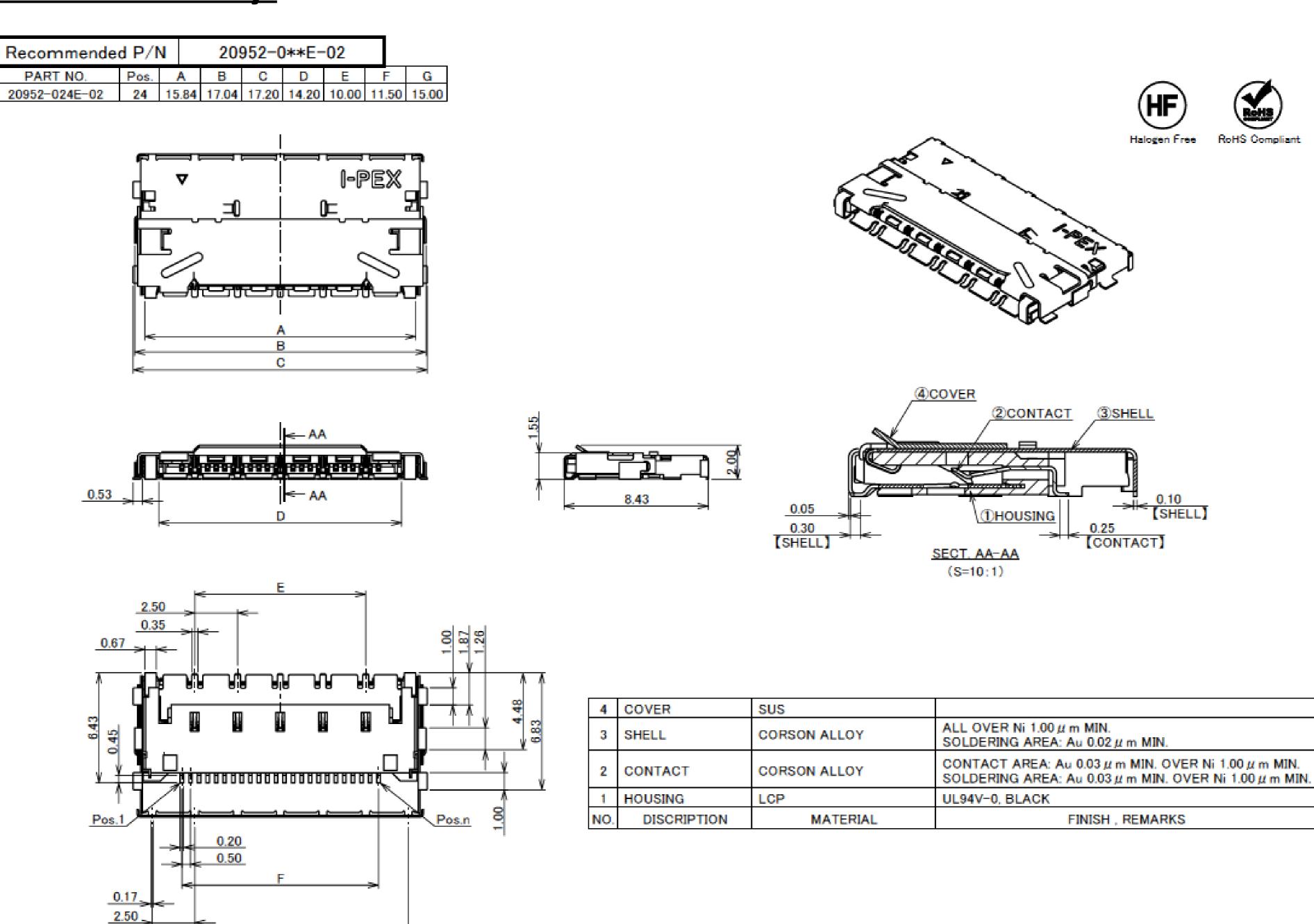
<Position2> FFC 체결 (One action Auto Lock)



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

Component Parts Details

Connector Assembly

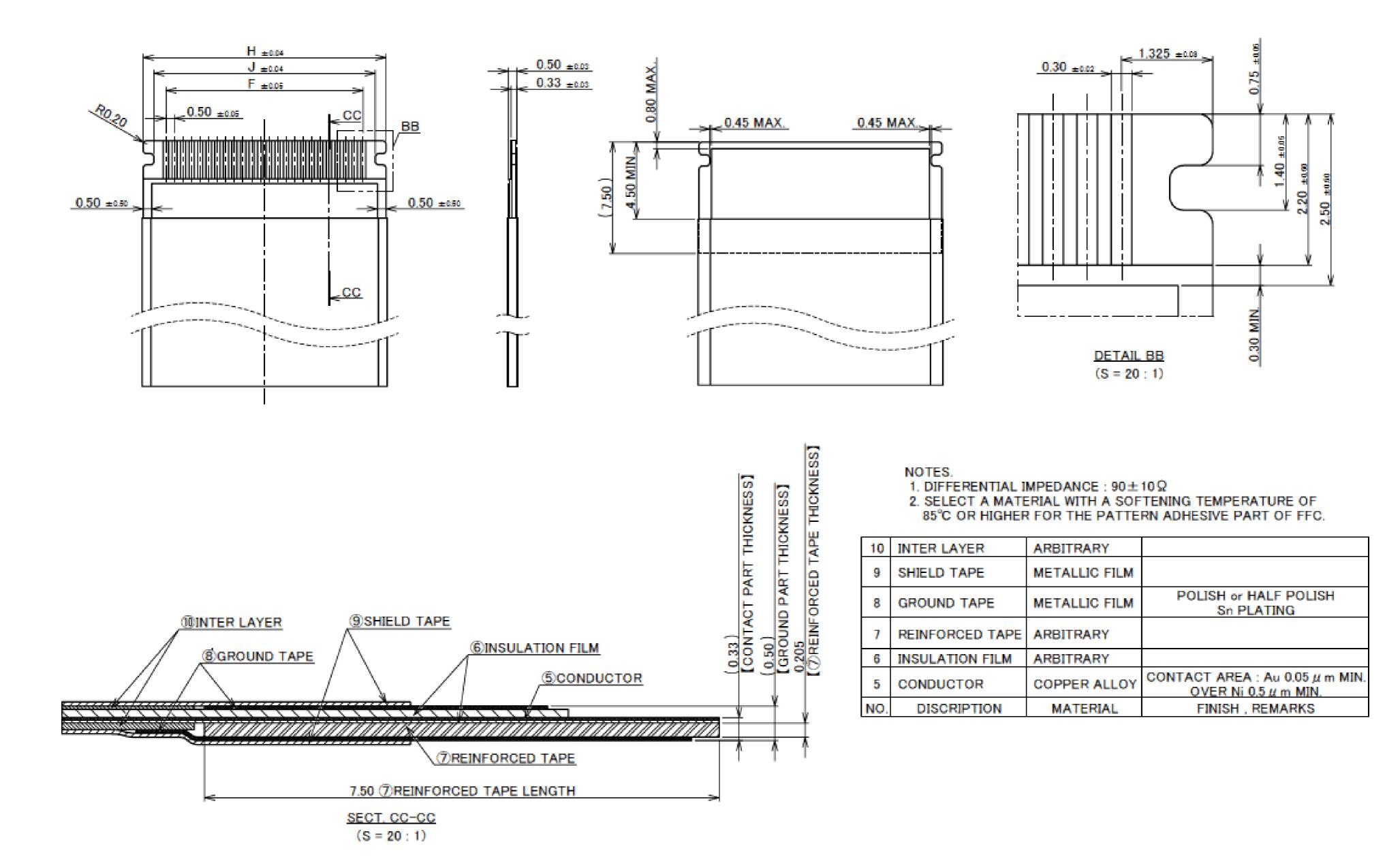




G

Connector Assembly

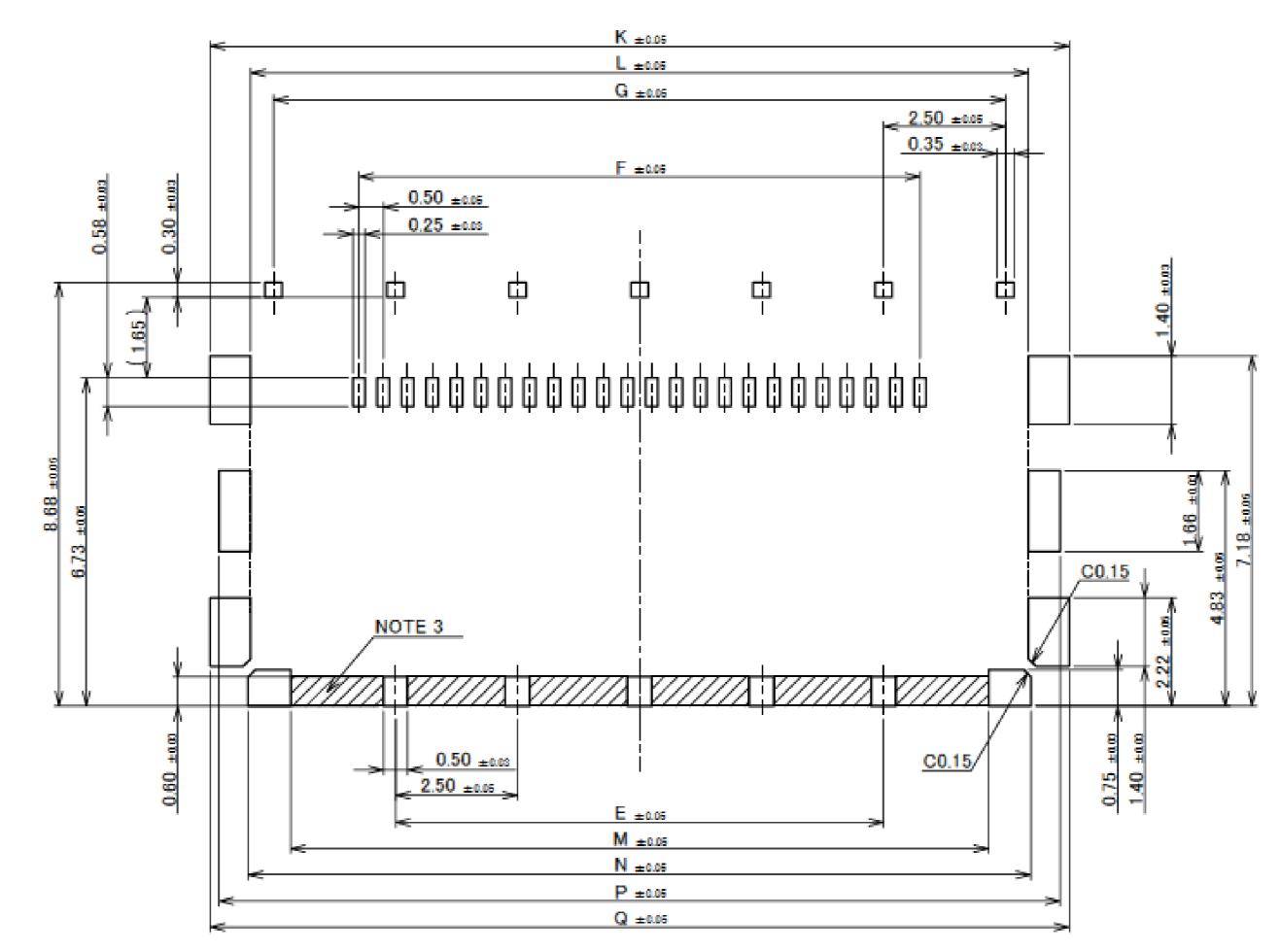
PART NO.	Pos.	F	Н	J	
20052-0245-02	24	11.50	14.15	12.90	



Rev.5

Plug Housing Assembly

PART NO.	Pos.	Е	E	G	K	اـ	М	N	Ρ	Q
20952-024E-02	24	10.00	11.50	15.00	17.60	15.94	14.30	16.04	17.24	17.60



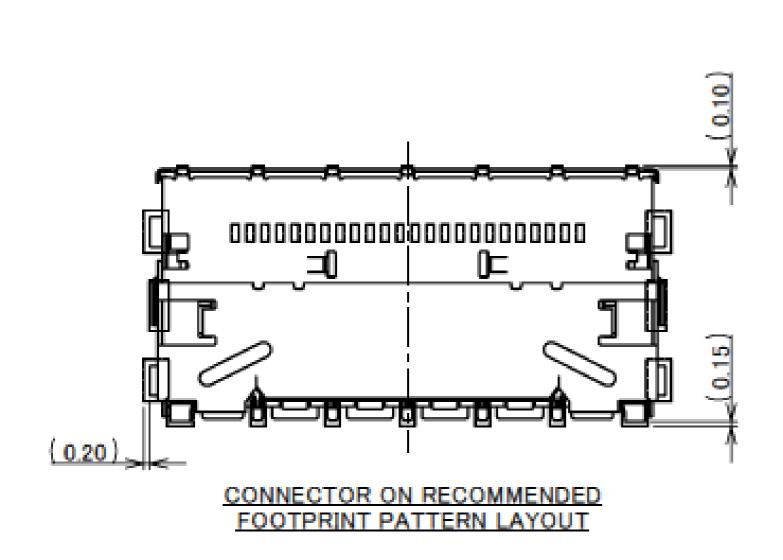
RECOMMENDED PCB & METALMASK LAYOUT

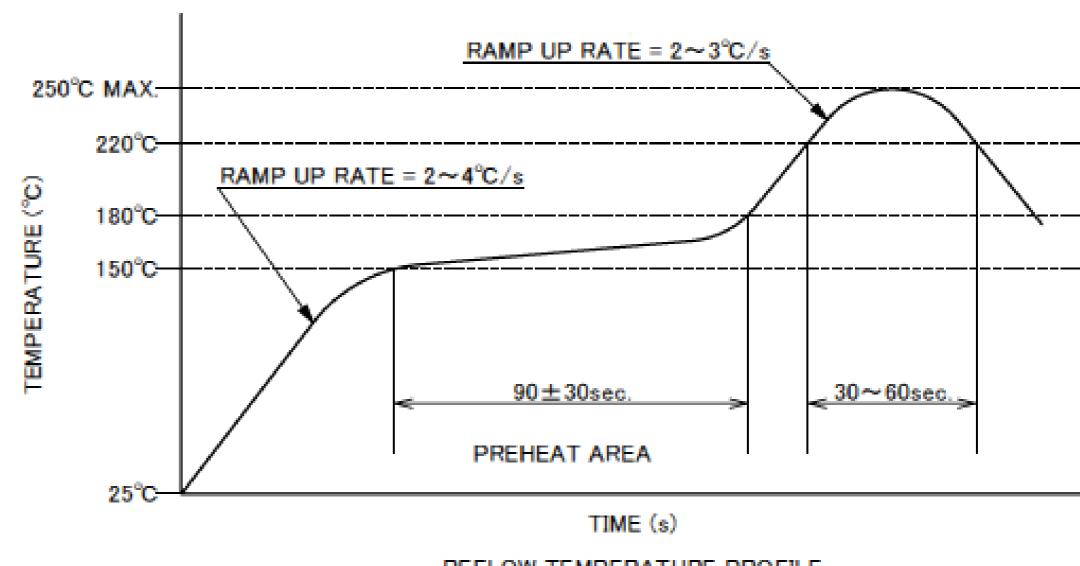
THICKNESS t=0.12

NOTES.
3. SOLDER RESIST MUST BE APPLIED TO THIS AREA.



Connector Assembly





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

Rev.5

Plug Housing Assembly

ITEMS	SPECIFICATION					
RATING VOLTAGE	50V AC/DC (PER CONTACT PIN)					
RATING AMPERAGE (FOR SIGNAL CONTACT)	0.30A AC/DC (PER CONTACT PIN)					
OPERATING TEMPERATURE	233~358K (-40°C~+85°C)					
OPERATING HUMIDITY	85% RH. MAX. (NON-CONDENSING)					
CONTACT RESISTANCE (FOR SIGNAL CONTACT)	INITIAL: 60mohm MAX. / AFTER TEST: 40mohm MAX.					
INSULATION RESISTANCE	INITIAL: 500Mohm MIN. / AFTER TEST: 500Mohm MIN.					
DIELECTRIC WITHSTANDING VOLTAGE	AC 250V 1min					
DURABILITY	30 CYCLES					
MATING FORCE (INITIAL / AFTER TEST)	24P : 22.00 N MAX.					
UNMATING FORCE (INITIAL / AFTER TEST)	24P : 2.30 N MIN.					
FFC/FPC RETENTION FORCE (INITIAL / AFTER TEST)	24P : 8.50 N MIN.					
COPLANARITY	0.10 MAX.					
PRODUCT SPECIFICATION	PRS-2645					
TEST REPORT	TR-20006					
PACKING STANDARD	PST-19012					
INSTRUCTION MANUAL	HIM-19004					
APPEARANCE CRITERIA No.	QLS-A***					



Custom
Connectors
Available

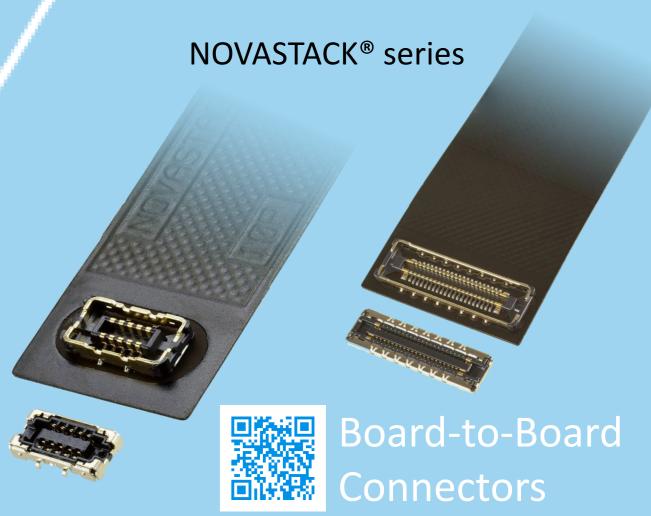




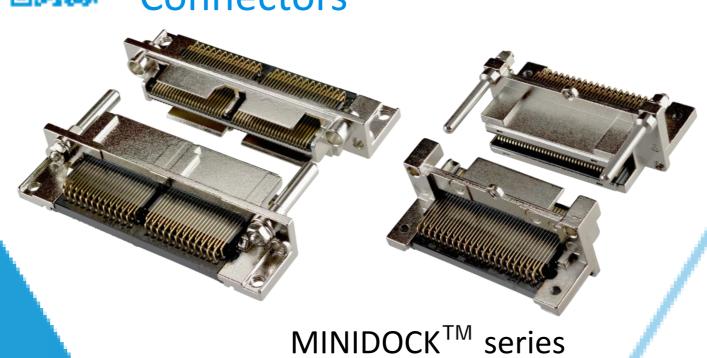
AP series















MINIFLEX® series









EVAFLEX® series

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Contact your sales representative or more detailed information.

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