Micro-Coaxial Connector

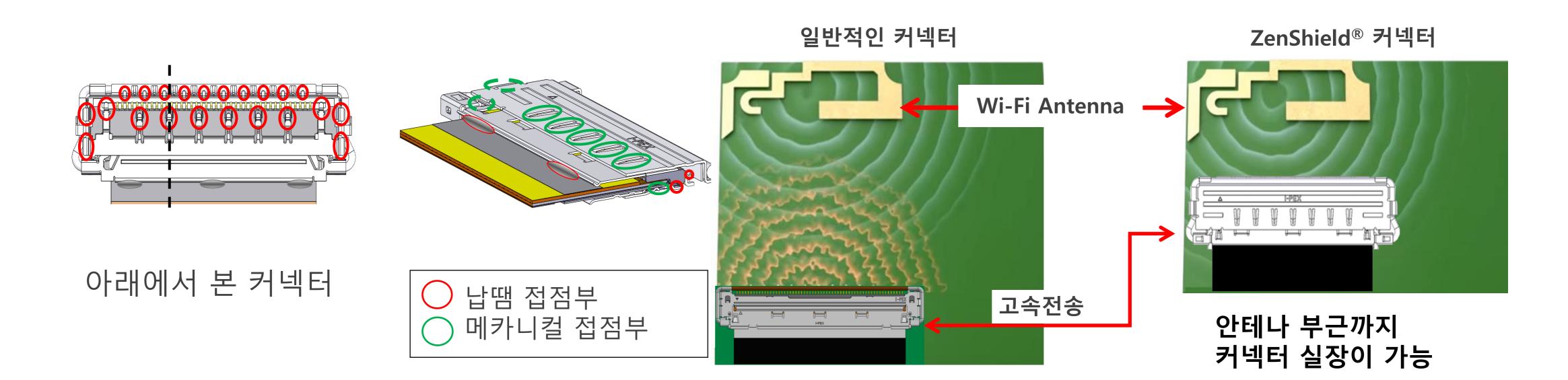
CABLINE[®]-CA IIF

Mechanical Lock 장치로 완전 차폐, 고속 데이터 전송(32Gbps/Lane)에 적합, 0.4mm Pitch, 수평 결합형 FPC Plug Connector

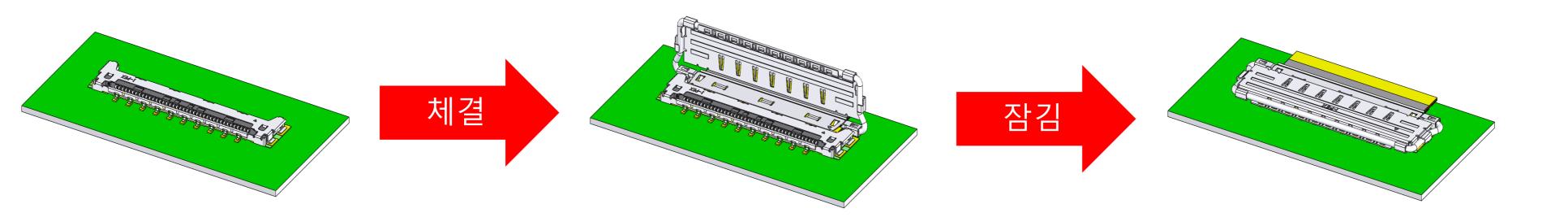
Product Specific	Product Specifications: Applicable FPC					
Mating type		Horizontal		FPC Type	Shielded FPC	
Board Pitch (mm)		0.4		FPC Pitch (mm)	0.4	
Wiping Length (mm)		0.48		FPC Contact Point	Тор	
	Height	1.10 max. with cover		EDC Thickness (mm)	Contact Area: 0.25 +0.02/-0.03	
Mated size (mm)	Width	Formula: 6.95 + (0.4*?p)		FPC Thickness (mm)	Ground Area: 0.37 +0.04/-0.06	
(((((((((((((((((((((((((((((((((((((((Depth	6.74	Applicable Standards (Reference Only):			
Pin Counts	Range	Up to 60	32 Gbps/ Lane, USB4 Gen4 (40 Gbps/ Lane PAM3)		40 Gbps/ Lane PAM3)	
Fill Coulits	Available	30, 40, 50		Display Port UHBR20 (20 Gb)	ps/Lane),	

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

ZenShield[®] Multi-point Ground를 통한 완전 차폐 Type 구조로 EMC Solution에 이상적입니다.

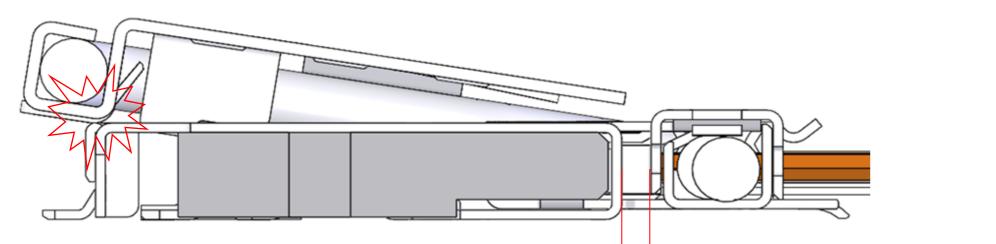


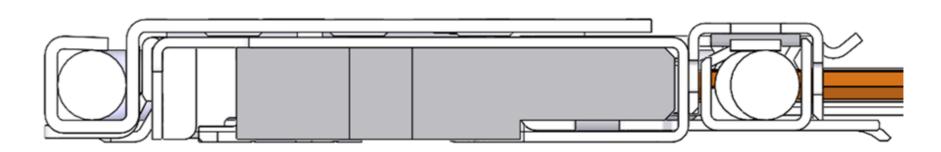
Mechanical Lock Bar를 통한 불완전 결합 방지와 Plu 빠짐 방지



플러그가 리셉터클에 정상적으로 결합되어 있을 경우에만 잠금 가능







불완전 결합

정상 결합

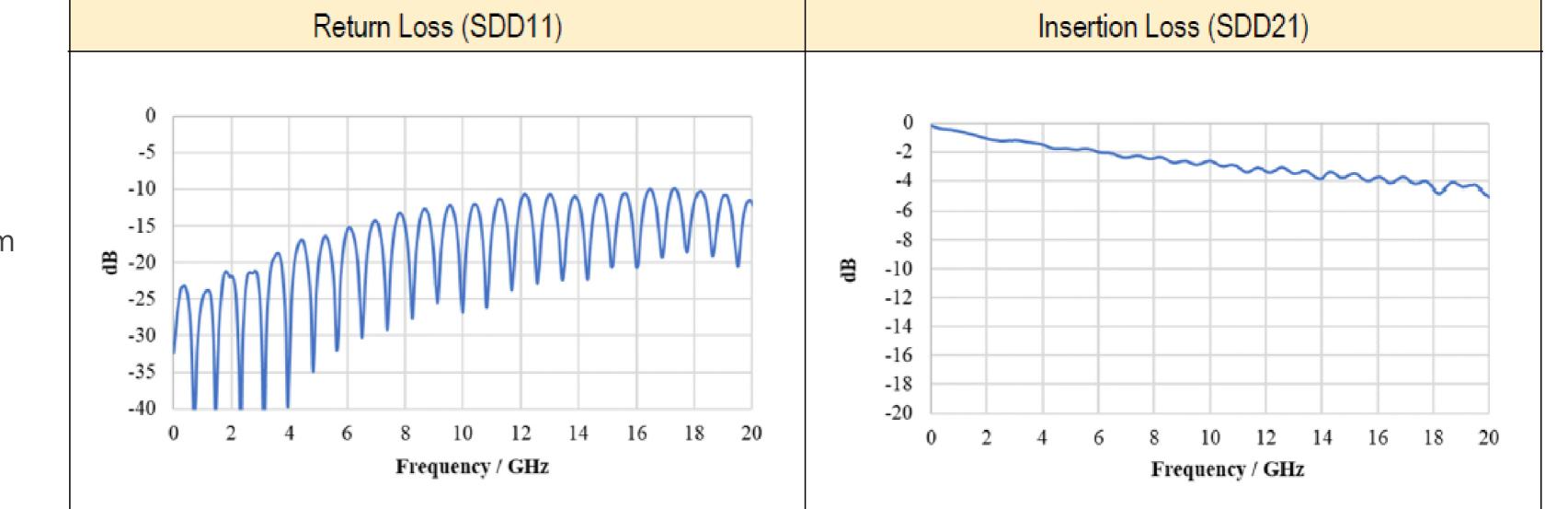
> 32Gbps/Lane Application에 이상적인 고속 데이터 전송

Measurement results

Connector: CABLINE-CA IIF 40P

FPC: Shielded FPC, Differential 90 ohm, Length : 100 mm

Pin Assignment: GSSGSSG

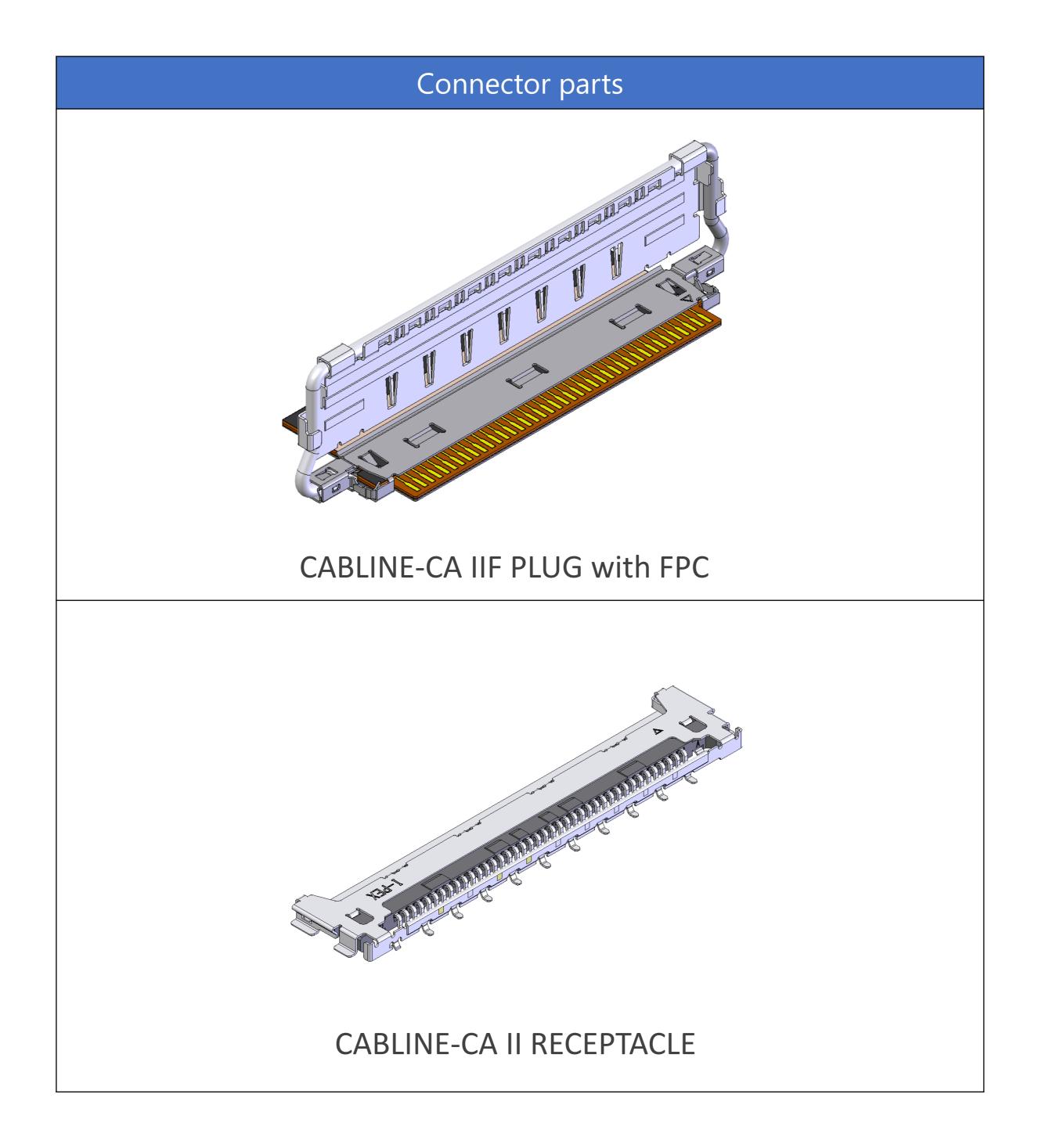




자세한 내용은 영업 담당자에게 문의하십시오. <u>www.i-pex.com</u>

Component Parts Details

Component Parts

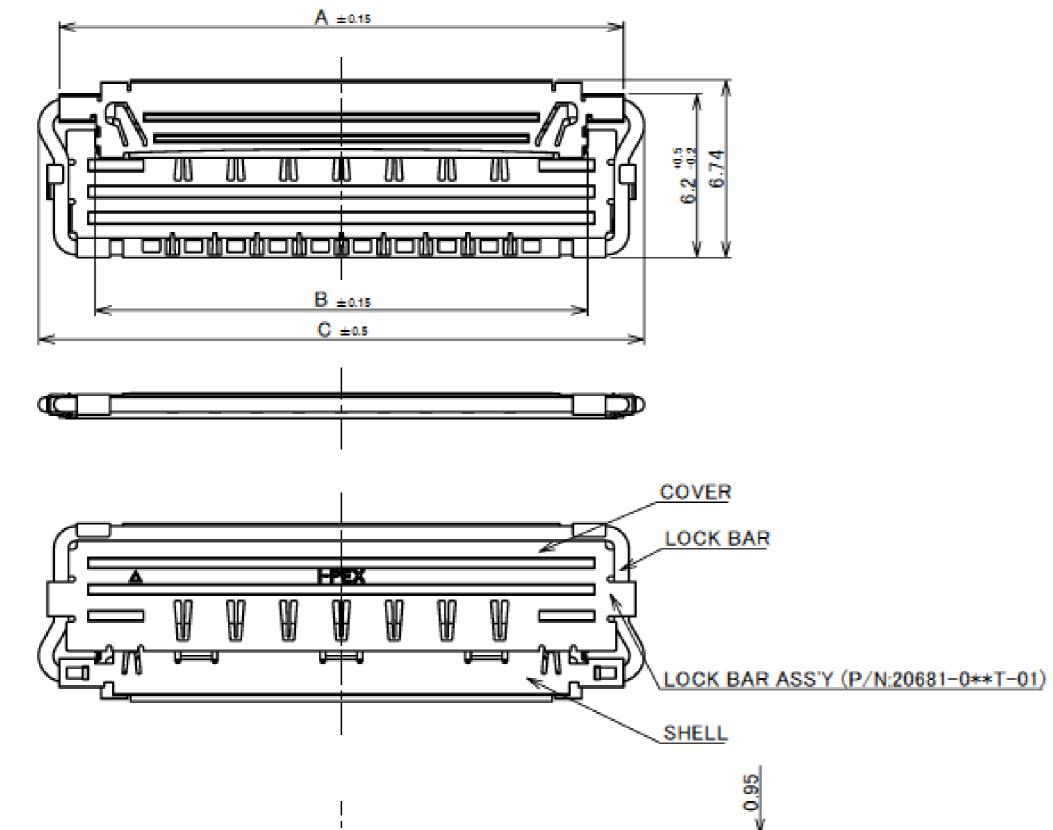


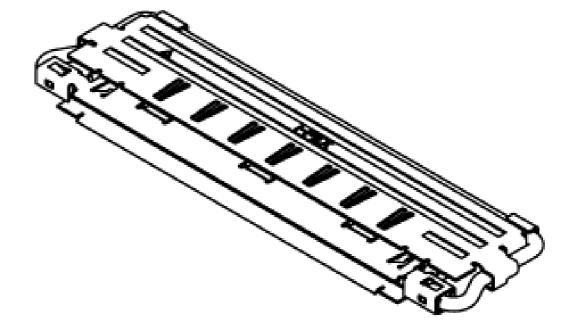


Shell Assembly

Recommended F	P/N	2085	6-0**	T-01
PART No.	Α	В	С	
20856-030T-01	17.40	14.66	18.95	
20856-040T-01	21.40	18.66	22.95	
20856-050T-01	25.40	22.66	26.95	









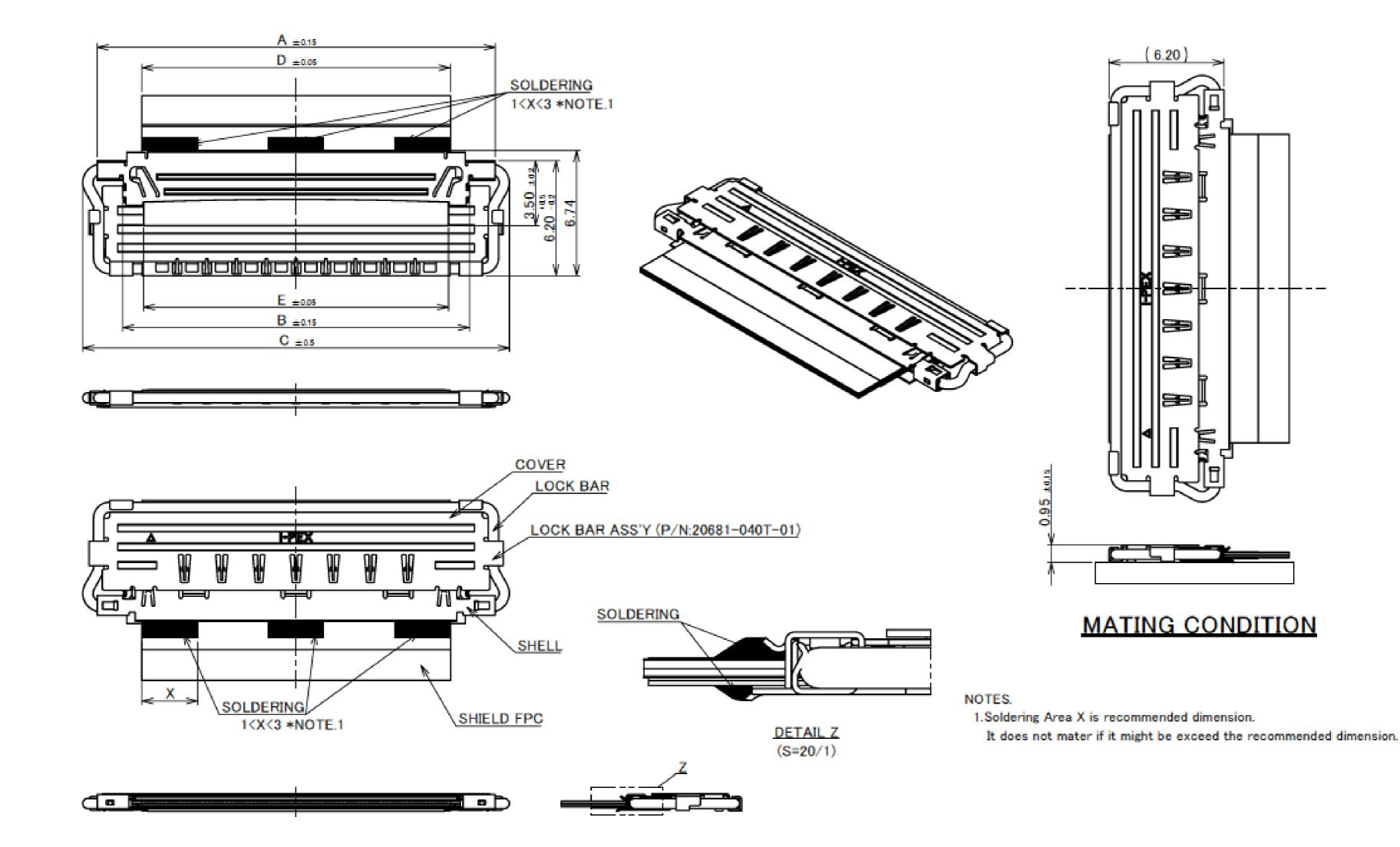


FPC ASS'Y STATE COVER CLOSE

3	COVER	PHOSPHOR BRONZE	Ni PLATING
2	LOCK BAR	STAINLESS STEEL	-
1	SHELL	PHOSPHOR BRONZE	PARTIAL Au 0.003 μ m MIN. OVER Ni 1.00 μ m MIN.
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

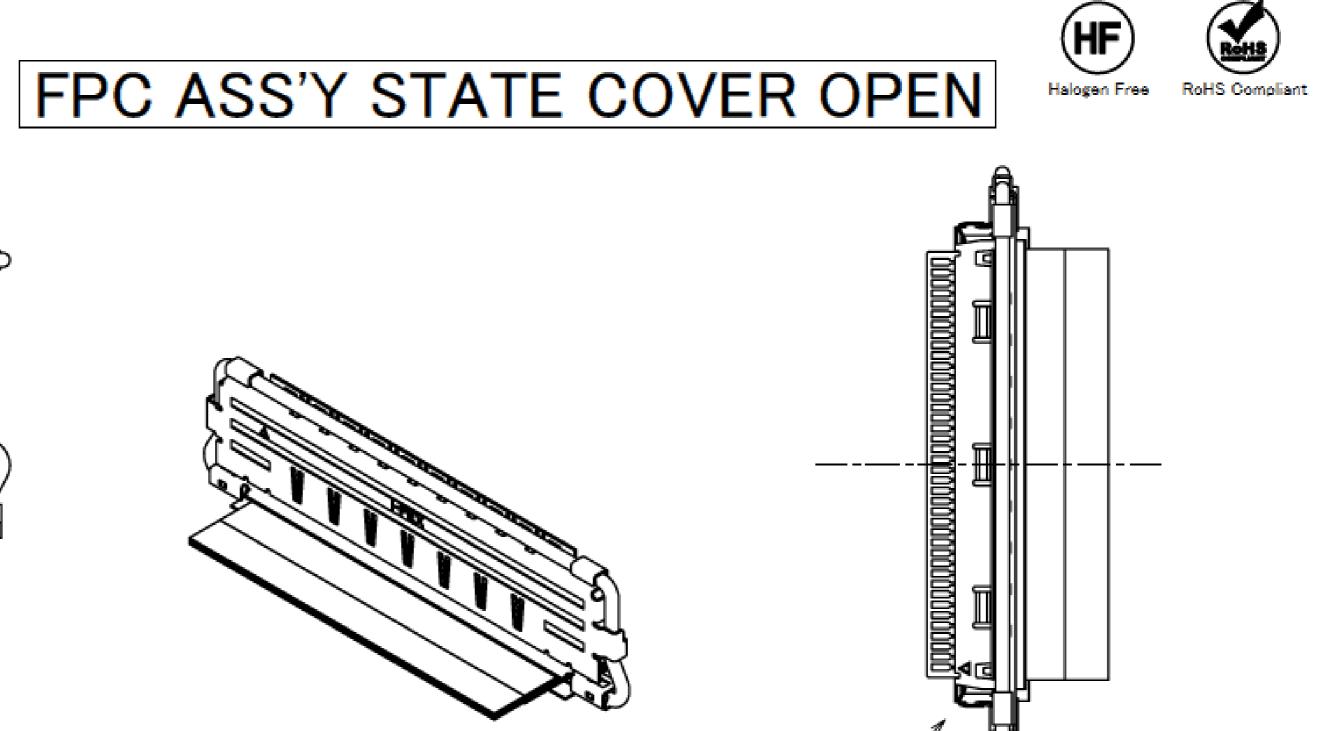
Recommended F	P∕N	2085	6-0**	T-01	
PART No.	Α	В	С	D	E
20856-030T-01	17.40	14.66	18.95	12.60	12.40
20856-040T-01	21.40	18.66	22.95	16.60	16.40
20856-050T-01	25.40	22.66	26.95	20.60	20.40

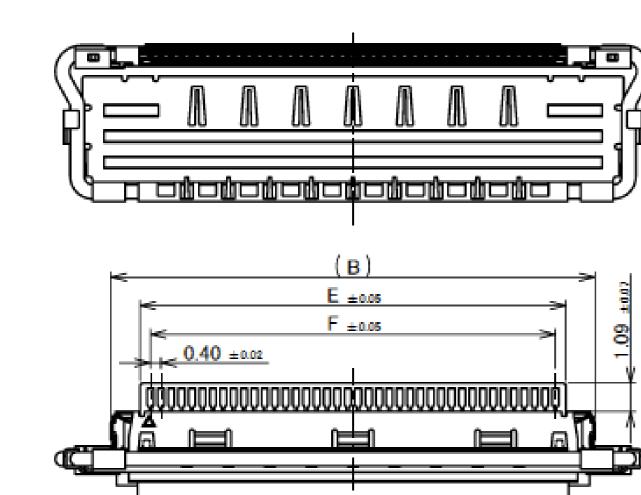




Shell Assembly

Recommended F	P/N	2085	6-0**	T-01
PART No.	B	E	F	
20856-030T-01	14.66	12.40	11.60	
20856-040T-01	18.66	16.40	15.60	
20856-050T-01	22.66	20.40	19.60	

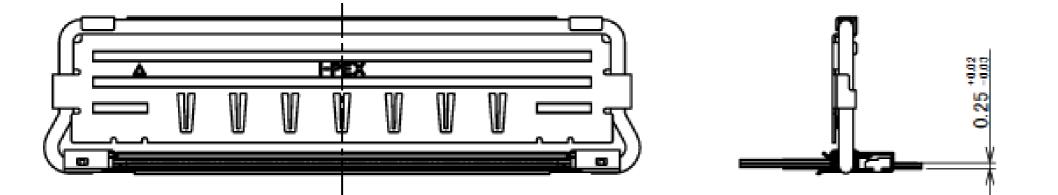




RECEPTACLE ASS'Y(P/N:20682-0**E-0#

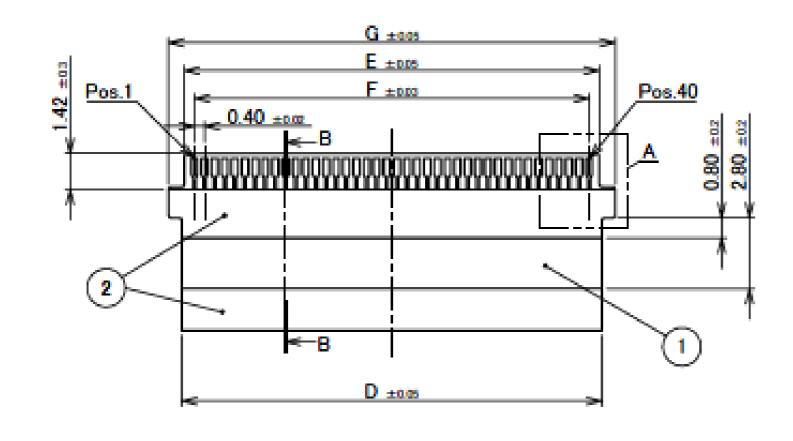


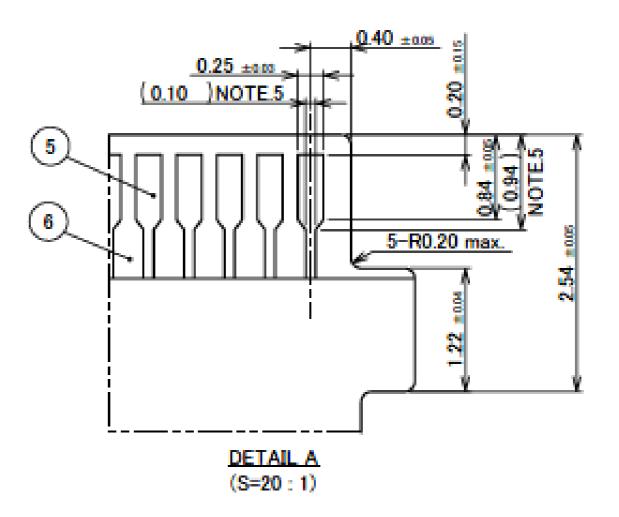
MATING CONDITION

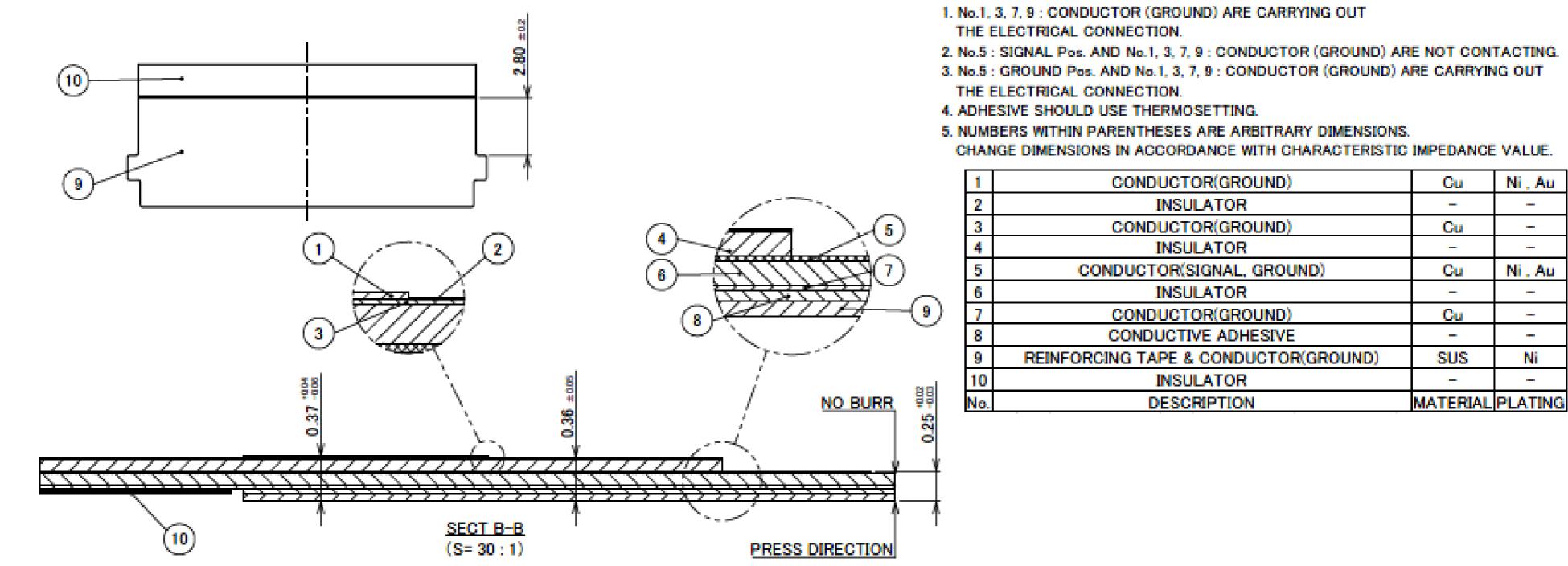


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PART No.	D	E	F	G
20856-030T-01	12.60	12.40	11.60	13.66
20856-040T-01	16.60	16.40	15.60	17.66
20856-050T-01	20.60	20.40	19.60	21.66







Rev.13

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Ni

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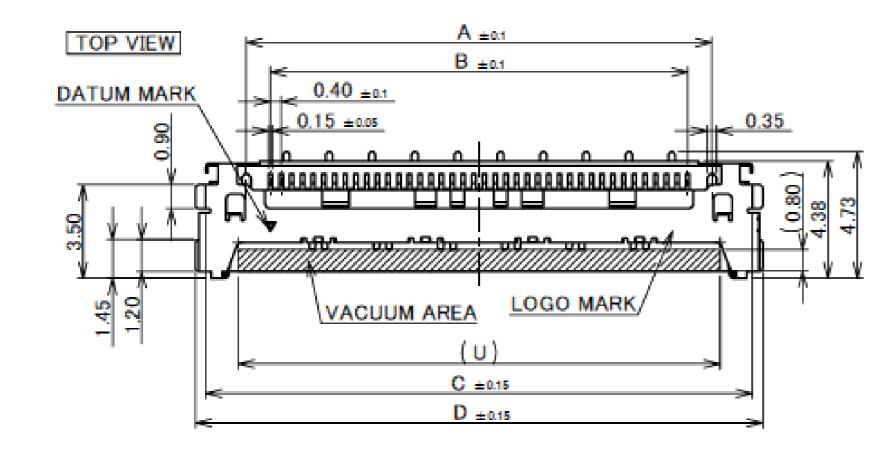
I-PEX

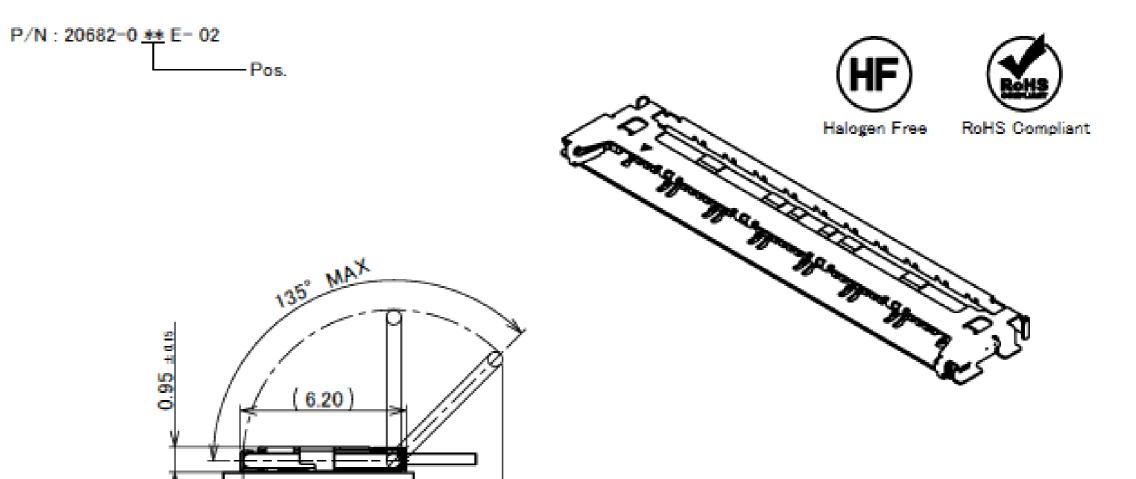
Shell Assembly

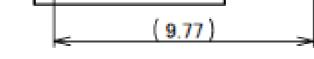
ITEMS	SPECIFICATION
RATING VOLTAGE	100V AC (PER CONTACT PIN)
RATING AMPERAGE (FOR SIGNAL CONTACT)	0.3A AC/DC (PER CONTACT PIN)
OPERATING TEMPERATURE	233~358K(-40°C~+85°C)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE (FOR SIGNAL CONTACT)	INITIAL : 60mohm MAX. / AFTER TEST : ⊿40mohm MAX.
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)	30P : 13.5N MAX. 40P : 18.0N MAX. 50P : 22.5N MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	30P : 1.44N MIN. 40P : 1.92N MIN. 50P : 2.40N MIN.
PRODUCT SPECIFICATION	PRS-2418
TEST REPORT	TR-17079
PACKING STANDARD	PST-17104
INSTRUCTION MANUAL	HIM-17029
ASSEMBLY MANUAL	ASM-17006
APPEARANCE CRITERIA No.	QLS-A***

Receptacle Assembly

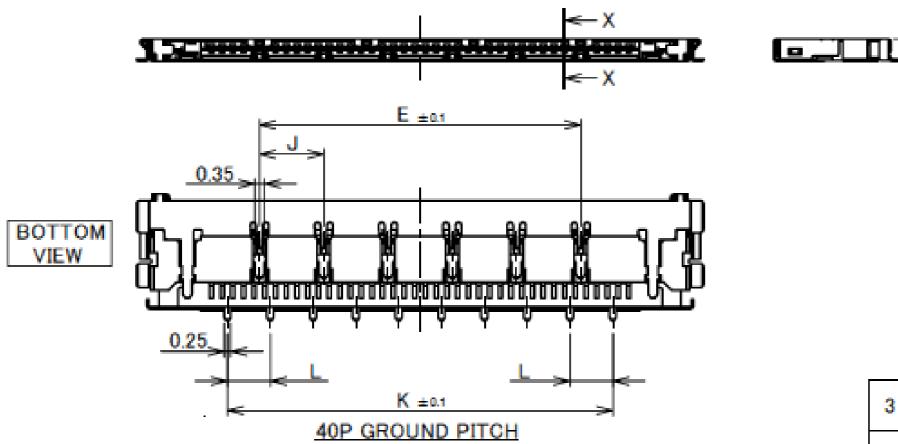
Recommended P/N		20682-0**E-02								
PART NO.	Pos.	Α	В	С	D	E	J	ĸ	L	U
20682-020E-02	20	9.40	7.60	12.43	13.20	4.80	2.40	5.60	2.00	10.01
20682-030E-02	30	13.40	11.60	16.43	17.20	9.60	2.40	12.00	1.60	14.01
20682-040E-02	40	17.40	15.60	20.43	21.20	12.00	2.40	14.40	1.60	18.01
20682-050E-02	50	21.40	19.60	24.43	25.20	16.80	2.80	18.40	1.60	22.01

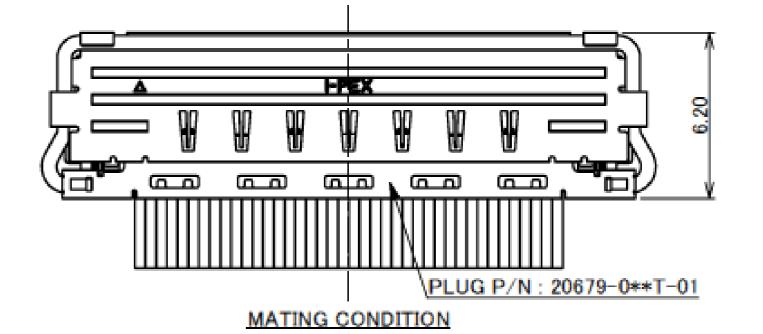






LOCK BAR MOVEMENTS





3	SHELL	PHUSPHUR BRUNZE	ALL OVER Ni 1.00 μ m MIN. SOLDERING AREA : Au 0.03 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
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

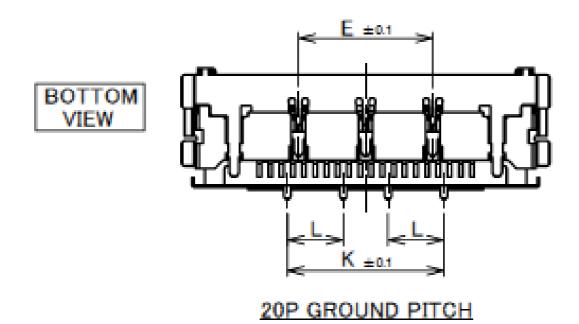
Rev.16

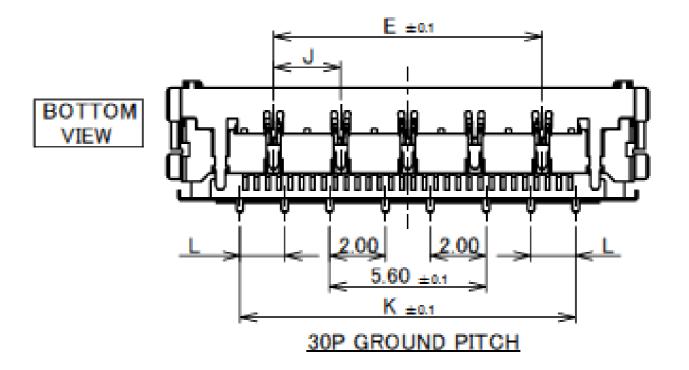
Contact your sales representative for more detailed information. <u>www.i-pex.com</u>

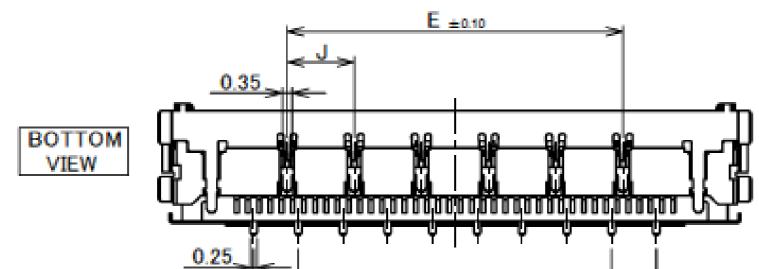
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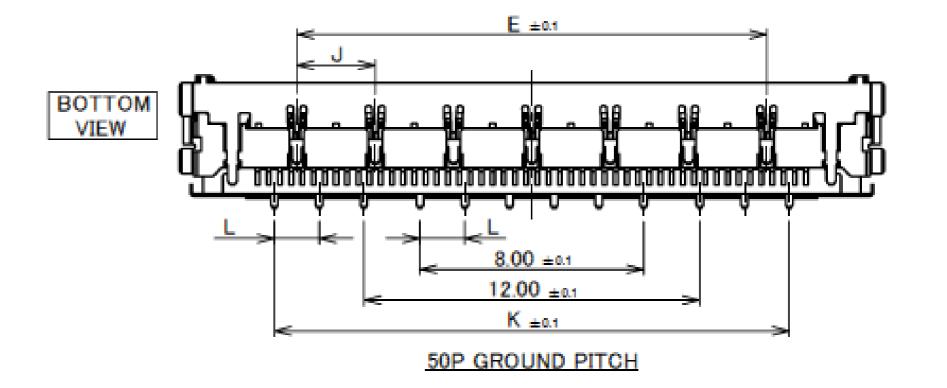
Receptacle Assembly

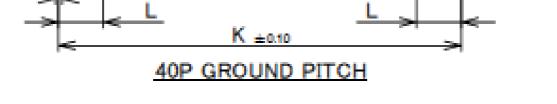
PART NO.	Pos.	Ε	J	κ	L
20682-020E-02	20	4.80	2.40	5.60	2.00
20682-030E-02	30	9.60	2.40	12.00	1.60
20682-040E-02	40	12.00	2.40	14.40	1.60
20682-050E-02	50	16.80	2.80	18.40	1.60



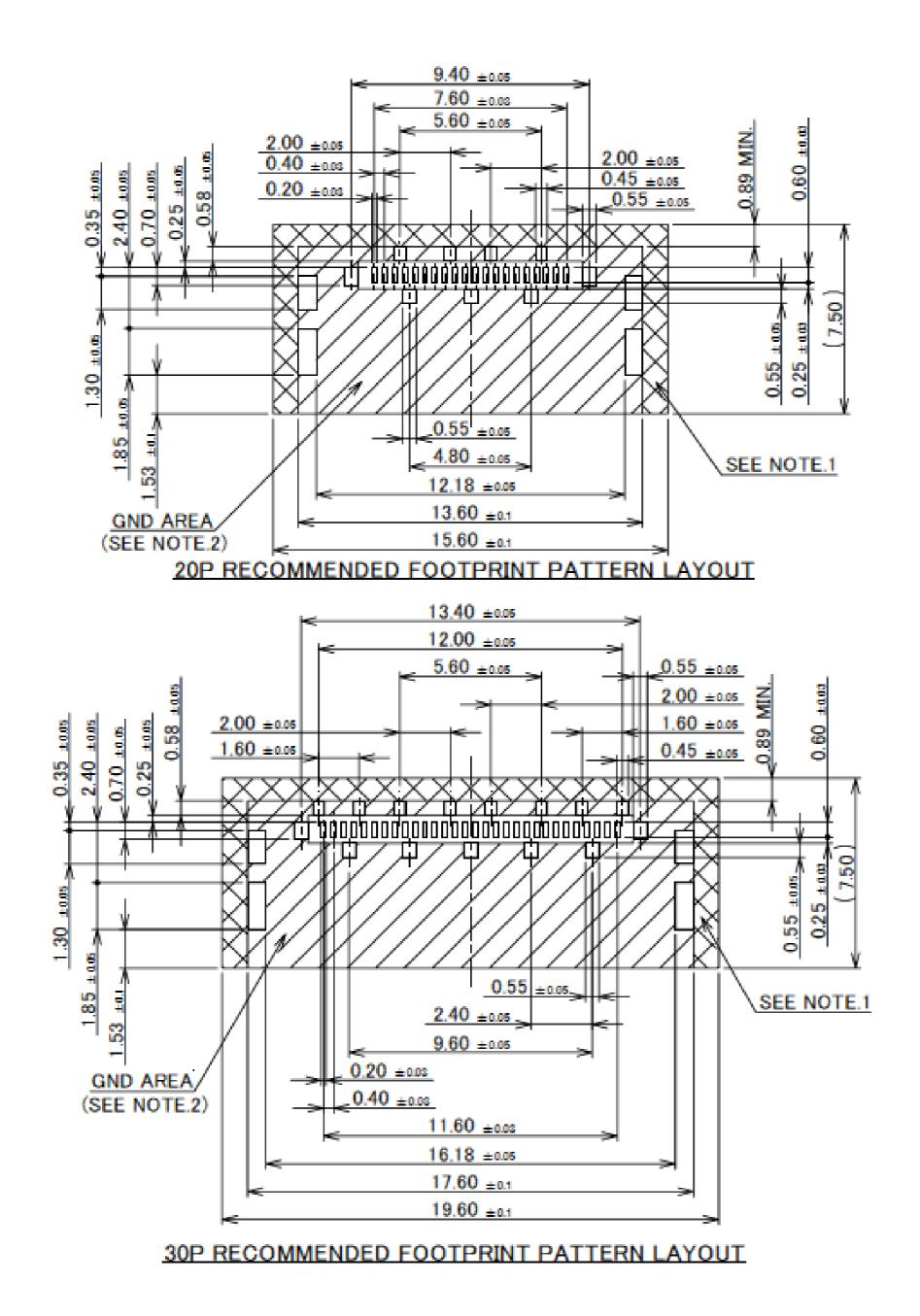


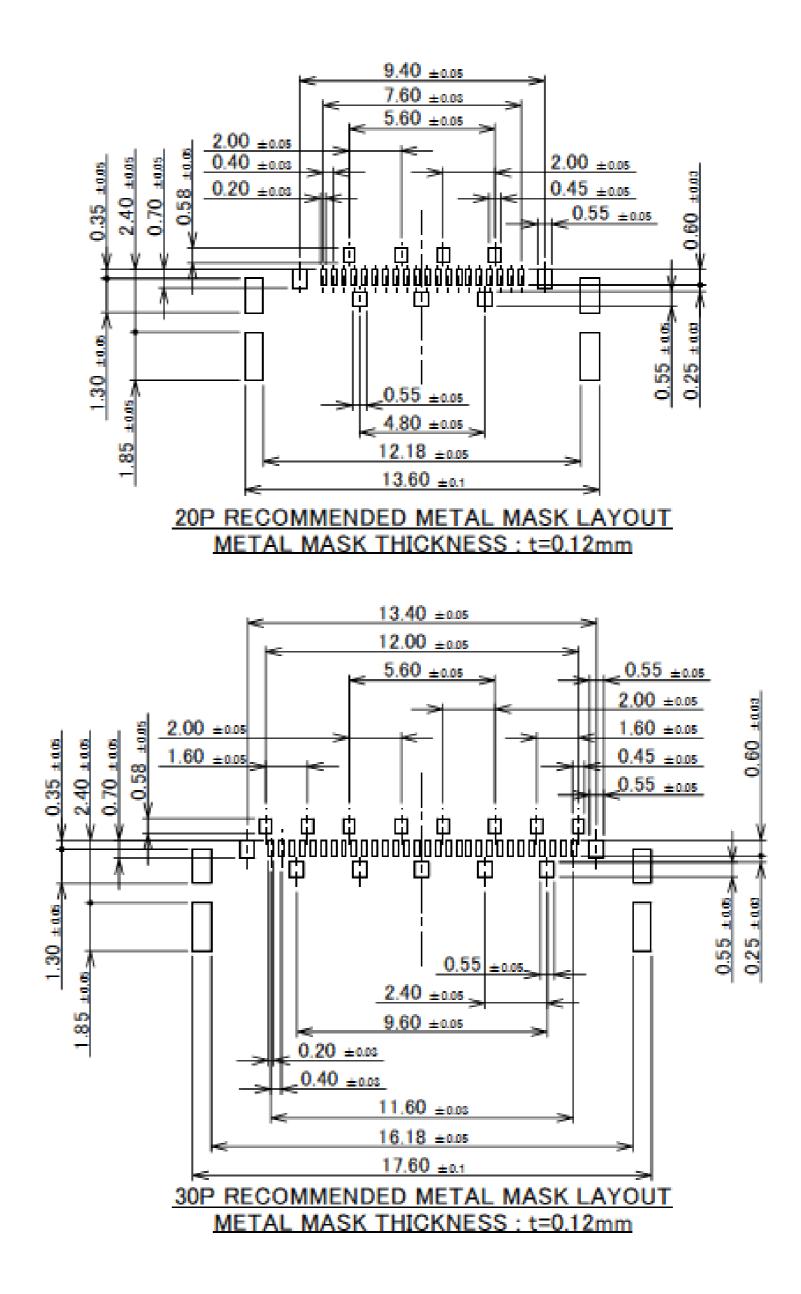






Rev.16



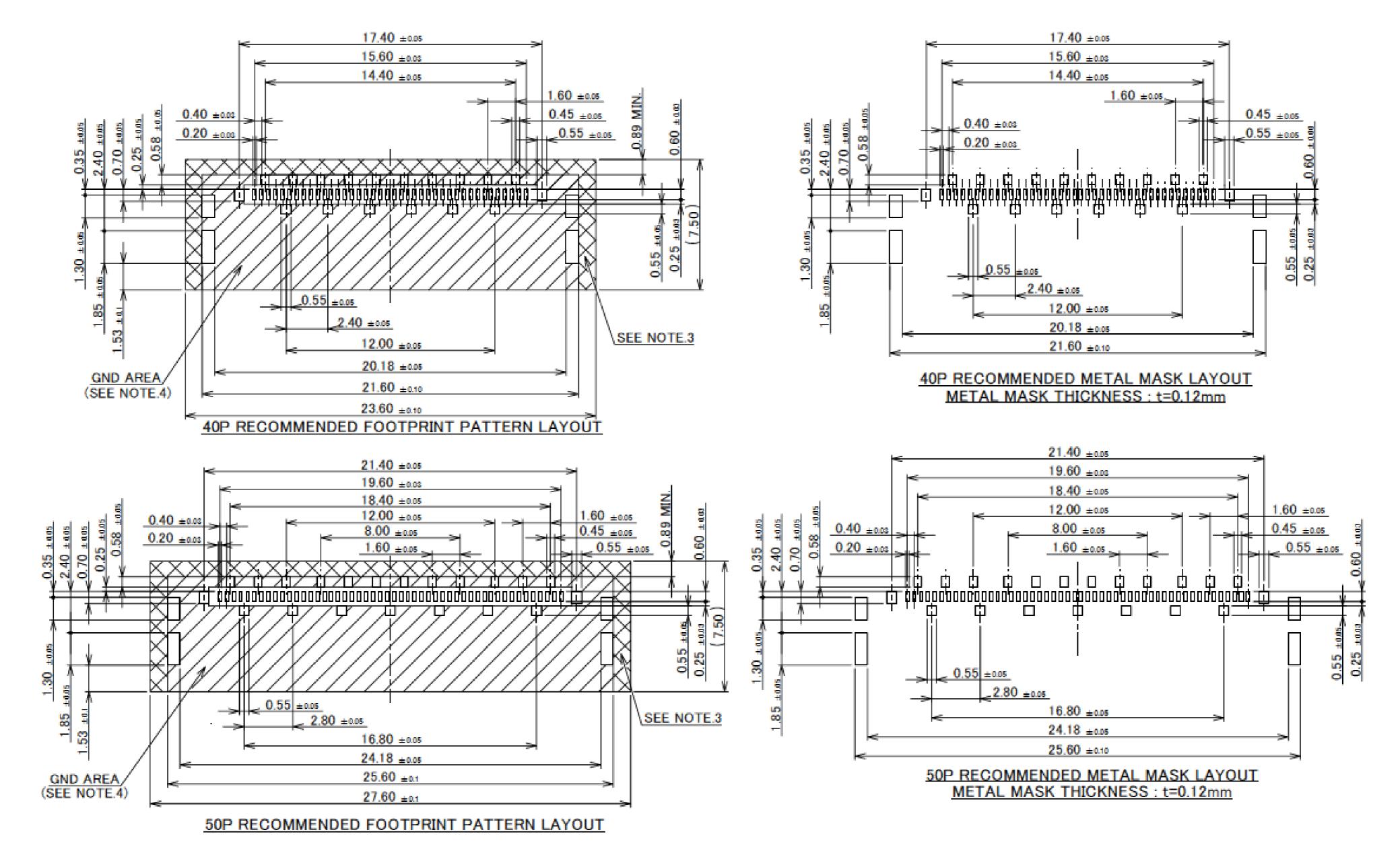


NOTES. 1. DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA. 2. SOLDER RESIST MUST BE APPLIED TO THIS AREA.

Rev.16



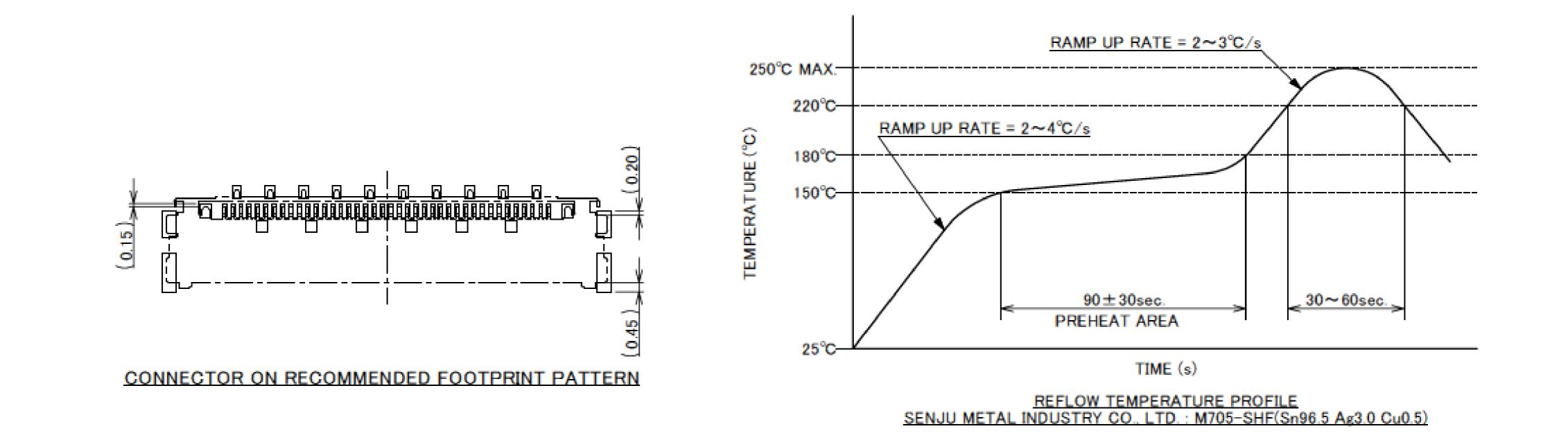
Receptacle Assembly



NOTES.

DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA.
SOLDER RESIST MUST BE APPLIED TO THIS AREA.

Rev.16



Rev.16

Receptacle Assembly

FOR CABLINE-CA IIF PLUG SHELL ASSEMBLY (DWG. NO. 20856)

ITEMS	SPECIFICATION
RATING VOLTAGE	100V AC (PER CONTACT PIN)
RATING AMPERAGE (FOR SIGNAL CONTACT)	0.3A AC/DC (PER CONTACT PIN) ※TESTING BY A REAL MACHINE IS RECOMMENDED BECAUSE TEMPERTURE 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 : 240mohm MAX.
INSULATION RESISTANCE	INITIAL : 1000Mohm MIN. / AFTER TEST : 500Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min
DURABILITY	30 CYCLES
MATING FORCE (INITIAL / AFTER TEST)	30P : 13.5N MAX. 40P : 18.0N MAX. 50P : 22.5N MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	30P : 1.44N MIN. 40P : 1.92N MIN. 50P : 2.40N MIN.
PRODUCT SPECIFICATION	PRS-2418
TEST REPORT	TR-17079
PACKING STANDARD	PST-17104
INSTRUCTION MANUAL	HIM-17029
ASSEMBLY MANUAL	ASM-17006
APPEARANCE CRITERIA No.	QLS-A***

Rev.16

I-PEX



I/O

MINIFLEX[®] series

EVAFLEX[®] series



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