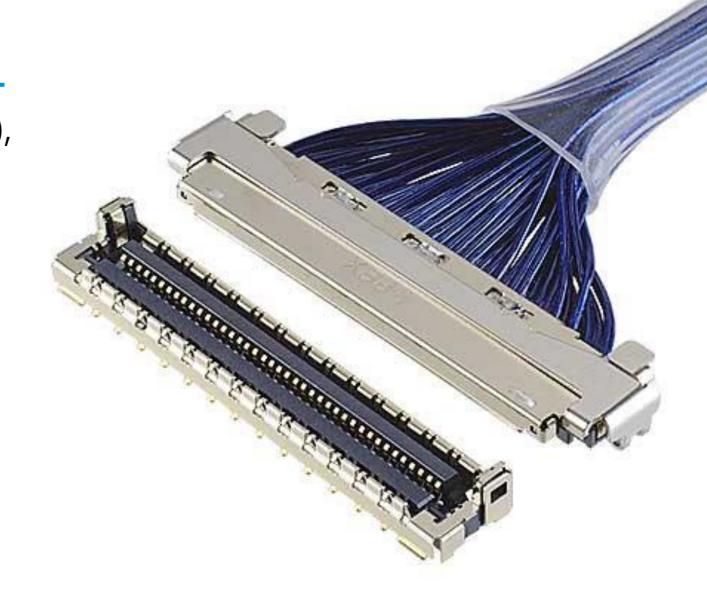
CABLINE®-UM

풀 실드, 다중 접점 그라운드, 메카니컬 록 포함, 고속 전송 대응(20Gbps/lane), 0.4mm 피치, 라이트 앵글의 세로 결합 타입 세선 동축 커넥터

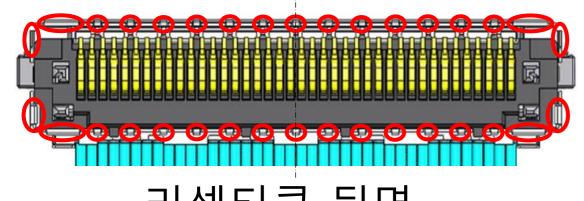
Product Specif	ications:	
Mating	type	Right Angle Vertical
Board Pitcl	m) Width Depth Range	0.4
Wiping Leng	th (mm)	0.65
		With Lock Cover : 2.2 +/- 0.15
Mated size	Height	Without Lock Cover : 2.0 +/- 0.15
(mm)		With Pull Tape Holder: 2.2 +/- 0.15
(111111)	Width	Formula: 5.0 + (0.4 * ? p)
	Depth	5.0 with lock cover
Pin Counts	Range	Up to 60
FIII Counts	Available	30, 40, 60

0.4
45 ohm: #38 or smaller
50 ohm: #40 or smaller
#40, #42
#34 or smaller

Applicable Standards (Reference Only):
USB4/Thunderbolt 4 (20 Gbps/lane), PCIe Gen 4 (16GT/s), eDP HBR 3 (8.1 Gbps)

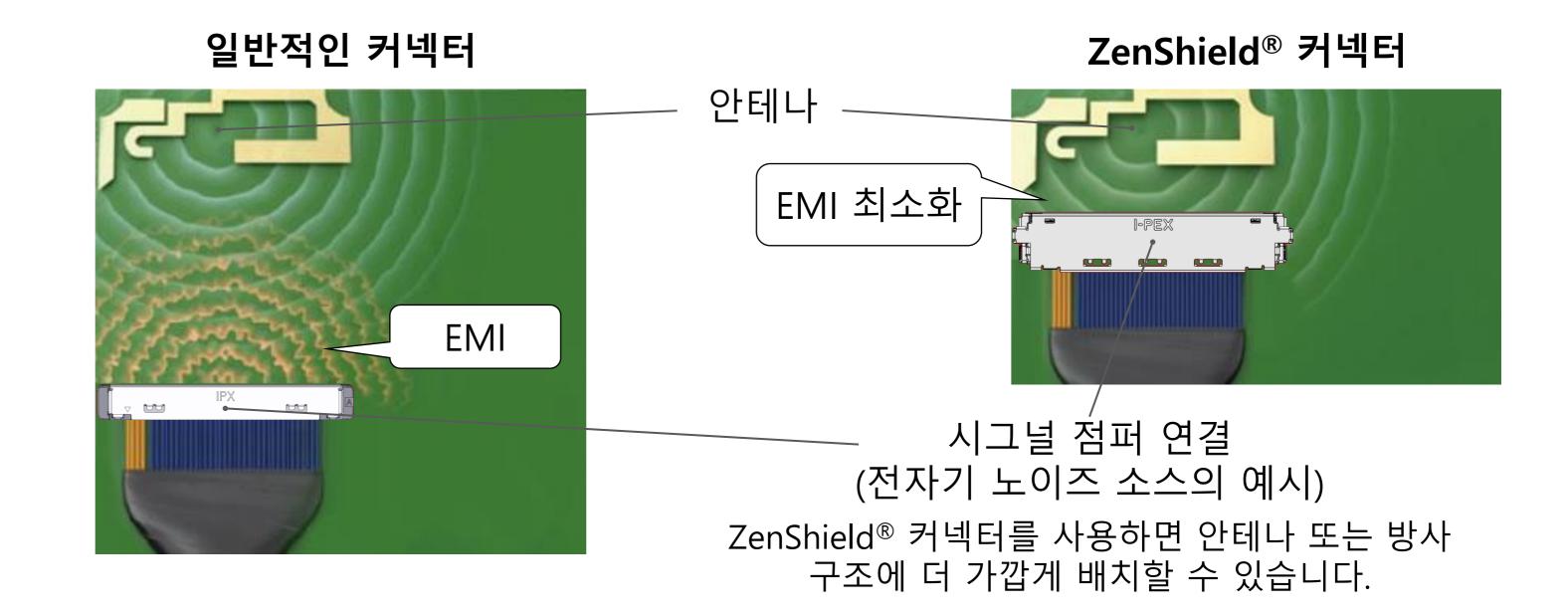


> 다중 접점 그라운드에 의한 360도 ZenShield® 풀 실드로 EMI 대책



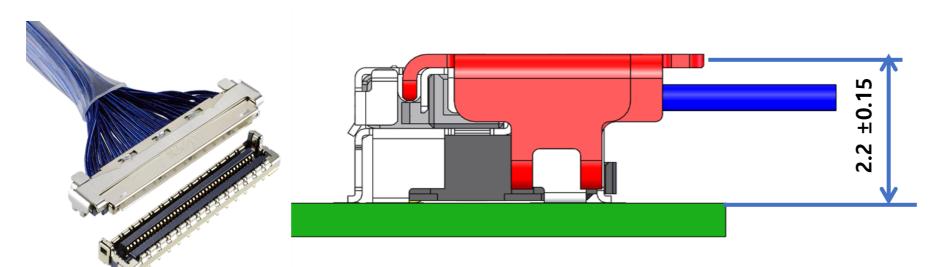
<u>리셉터클 뒷면</u>

○ 그라운드 SMT 점

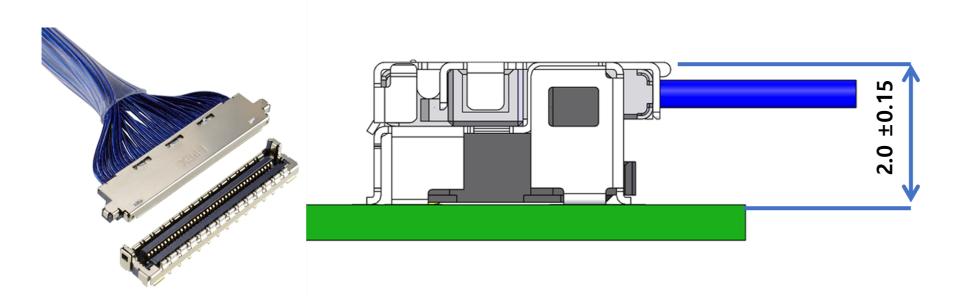


풍부한 Variation

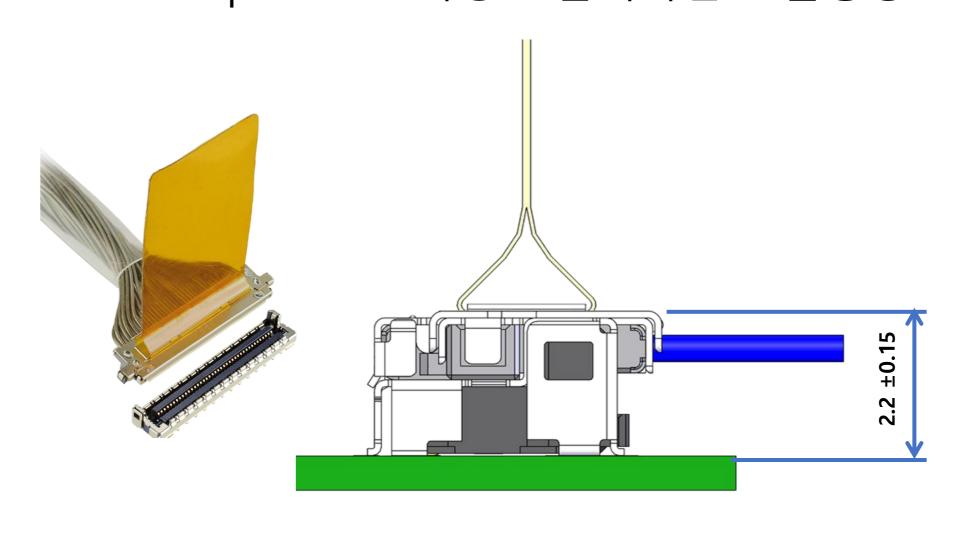
Lock Cover포함---체결 강도 증가



Lock Cover미사용 - - - 낮은 높이

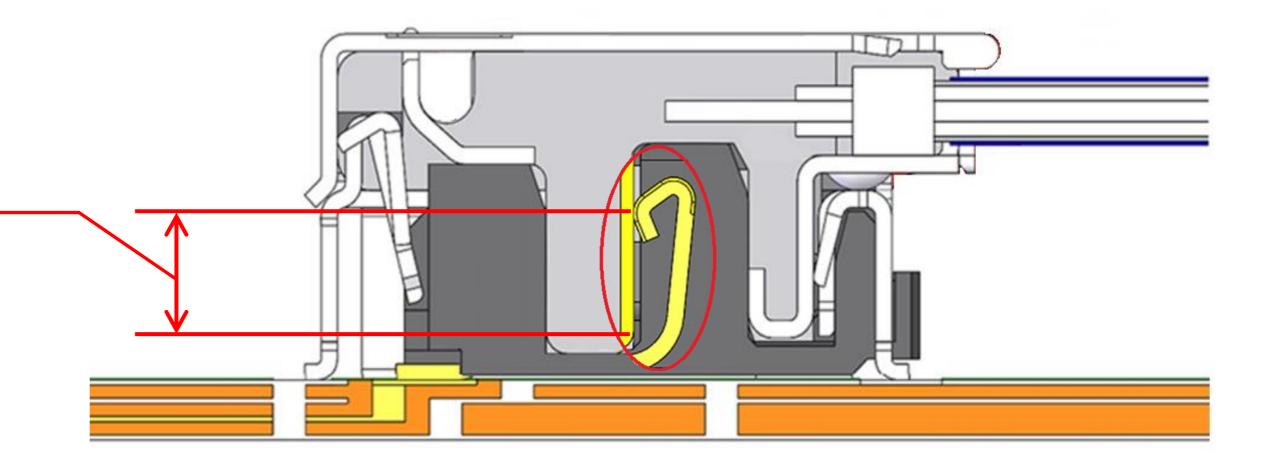


Pull tape holder사양---발거작업 효율향상



높은 단자 접촉 신뢰성

<u>유효 결합 길이 : 0.65mm Min.</u>

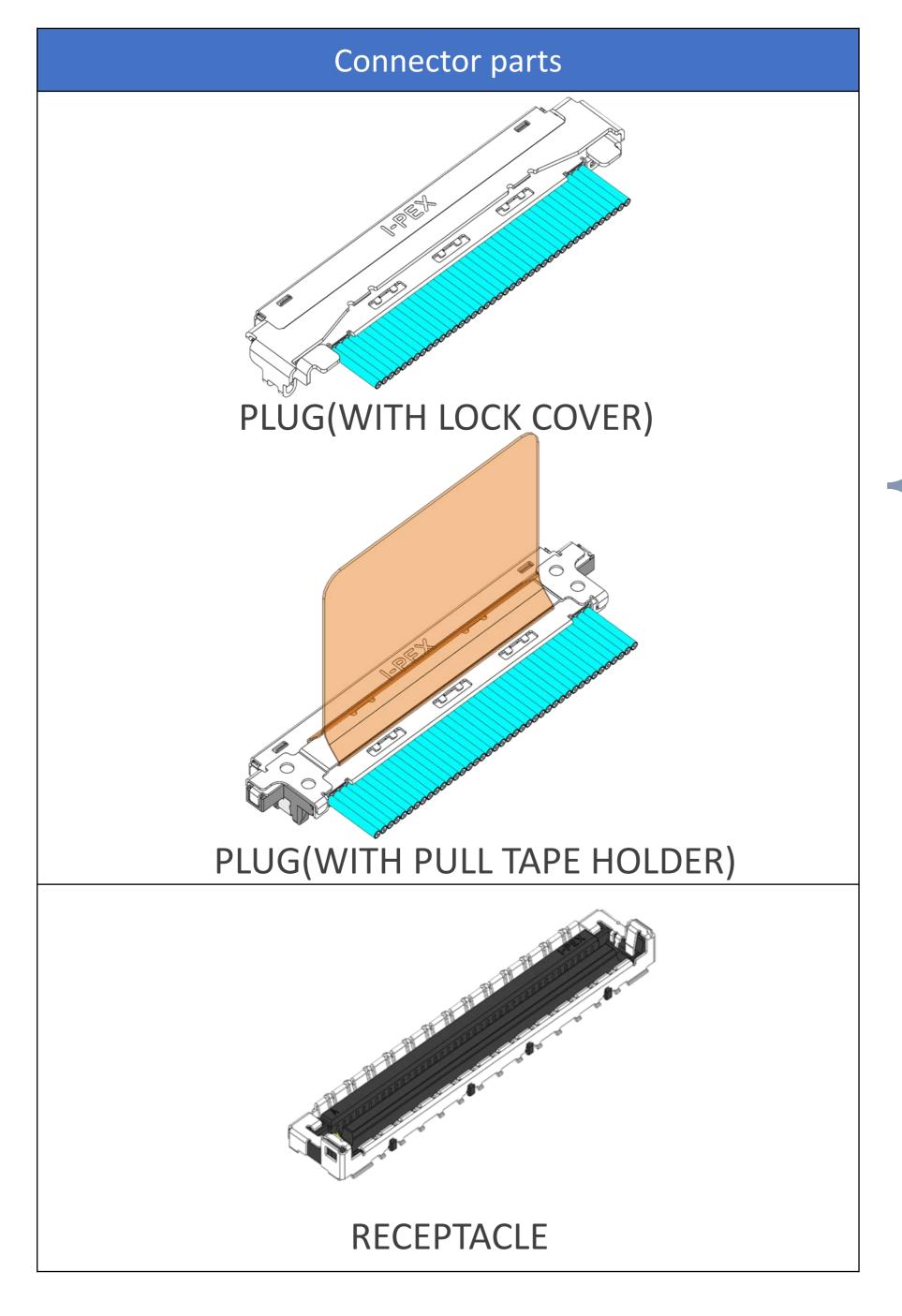


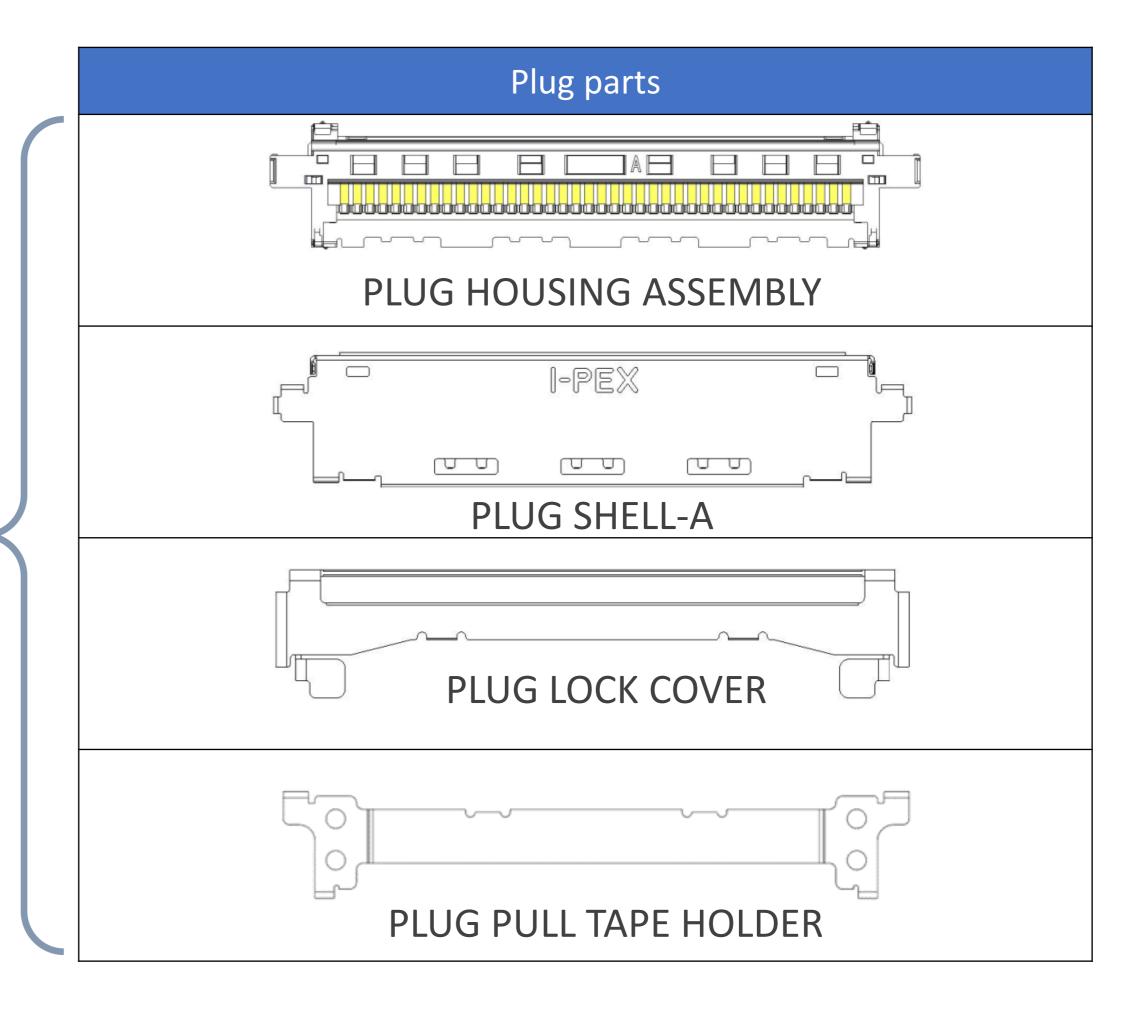


^{*}기재가 되어있지 않은 핀 수의 대응 여부에 대해서는 문의해 부탁 드립니다

Component Parts Details

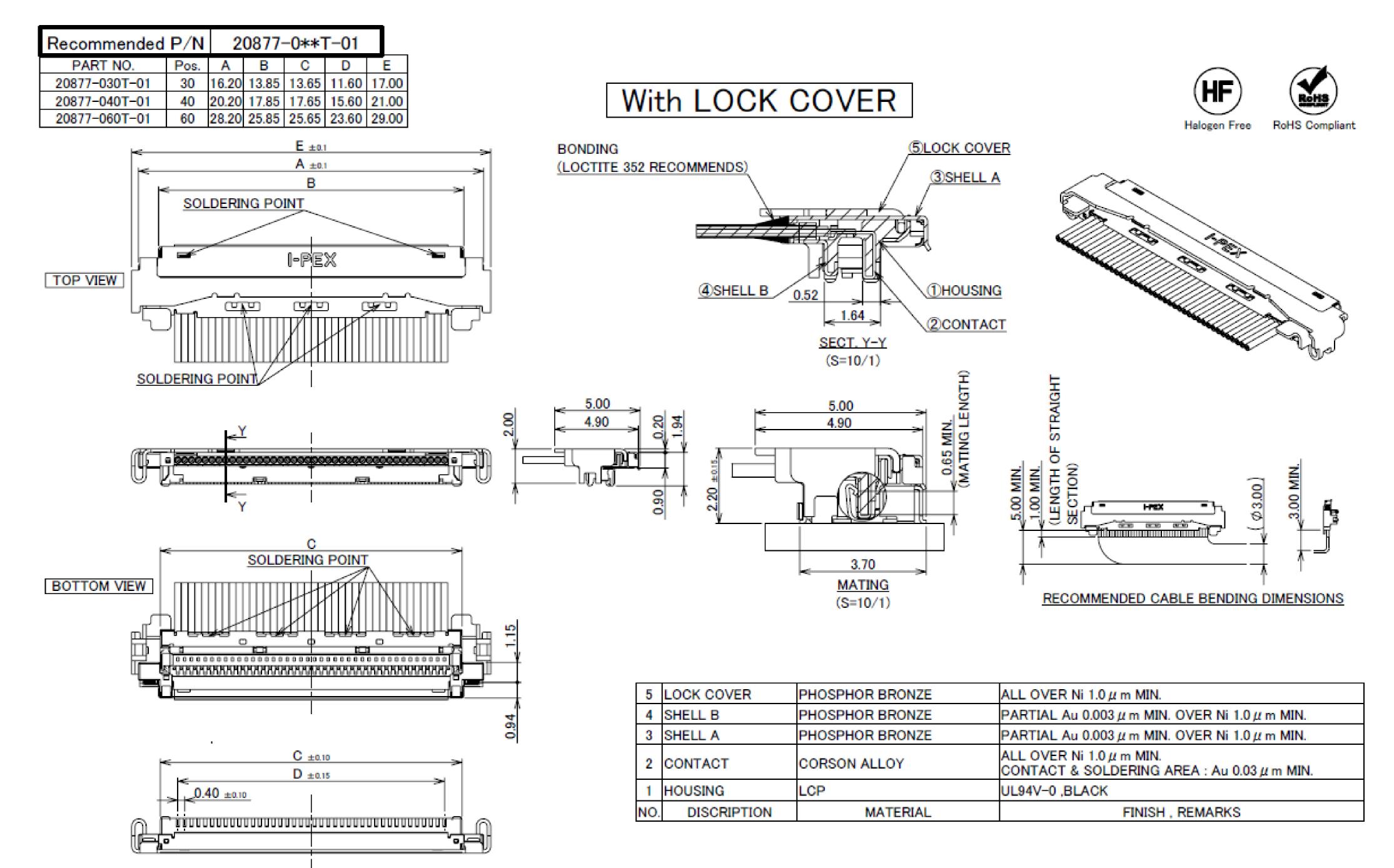
Component Parts

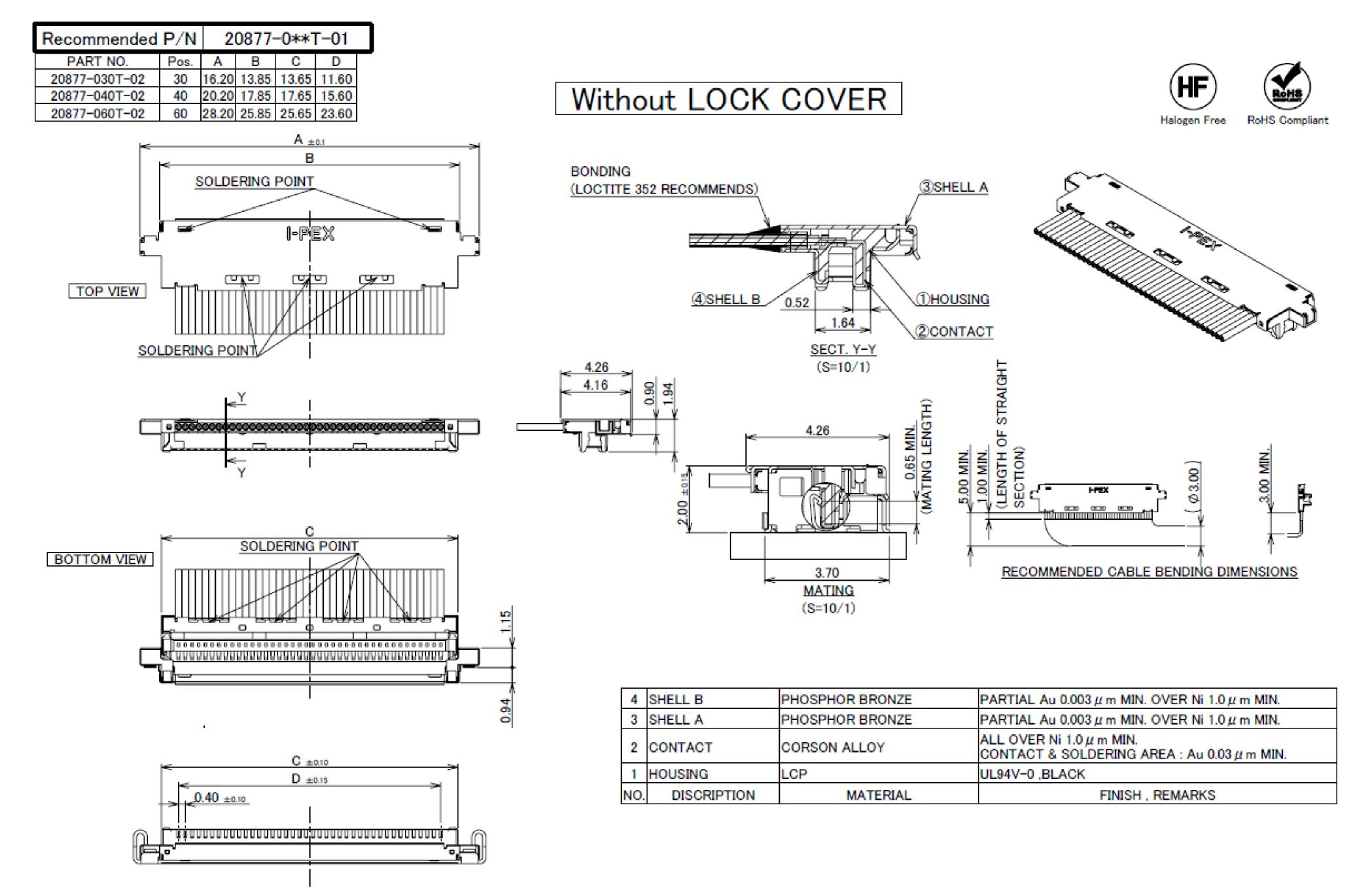






Plug for Cable Assembly

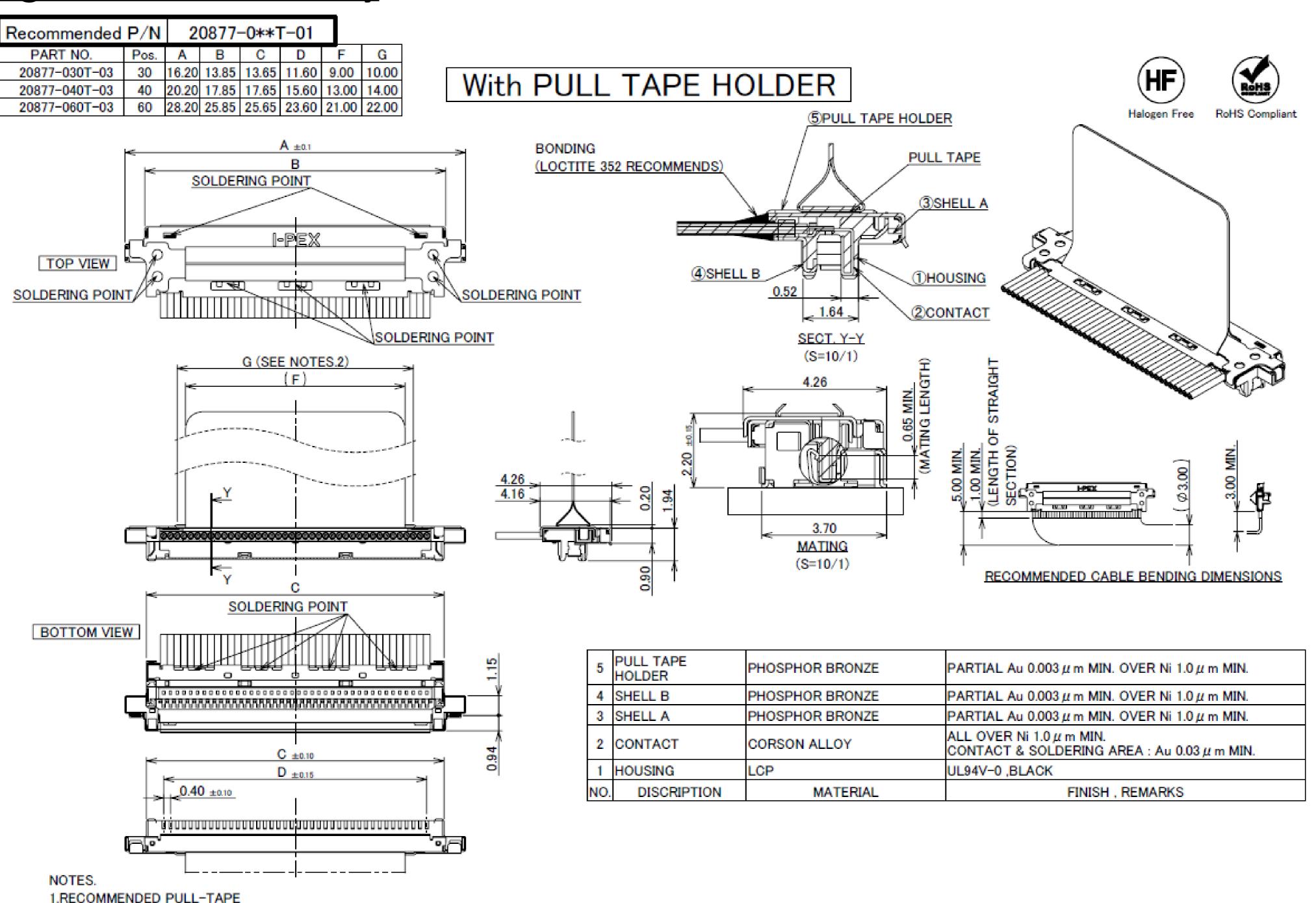


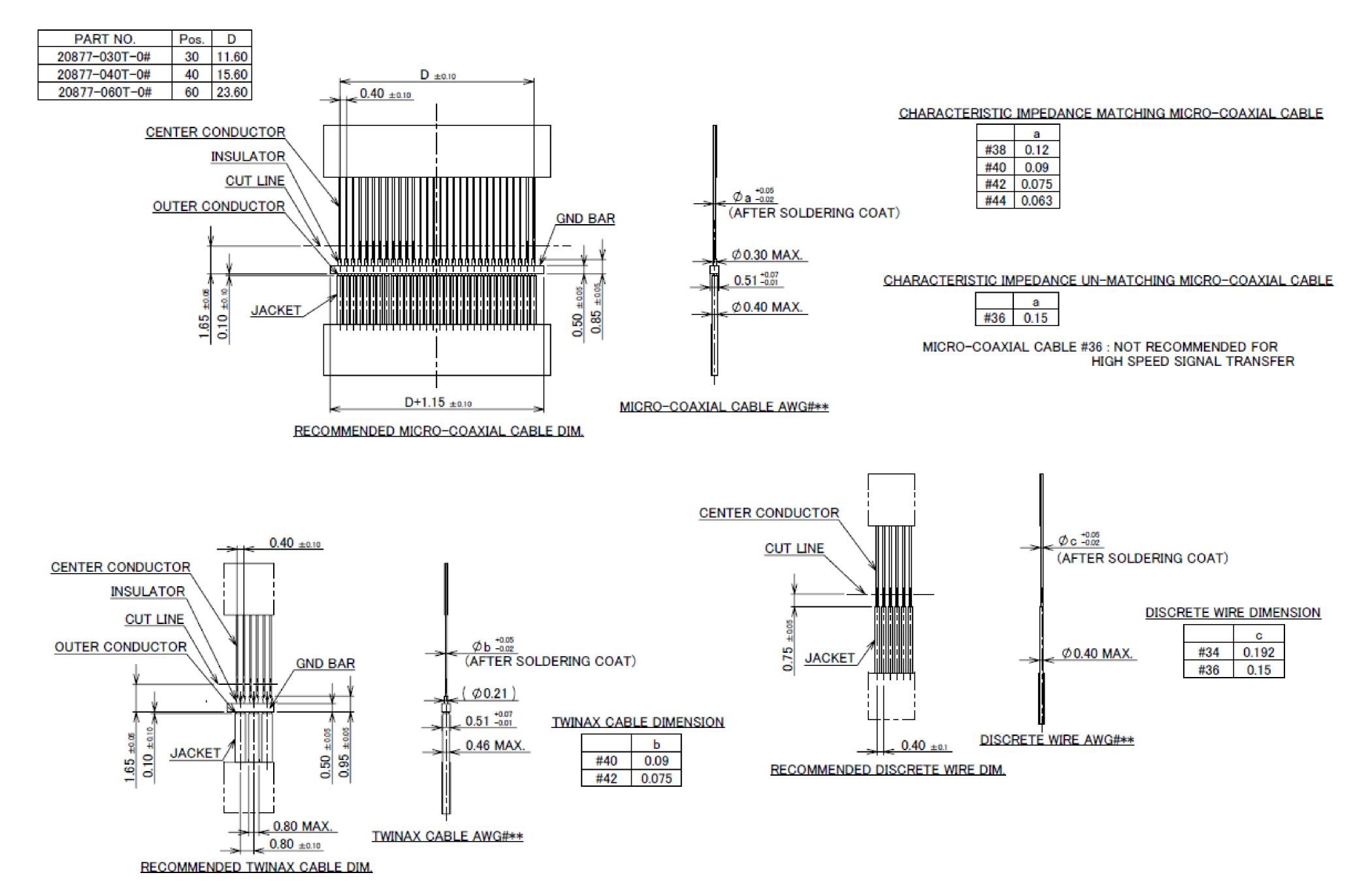


Plug for Cable Assembly

PULL-TAPE: TERAOKA's INSULATION TAPE No.650S(#50) t=0.08

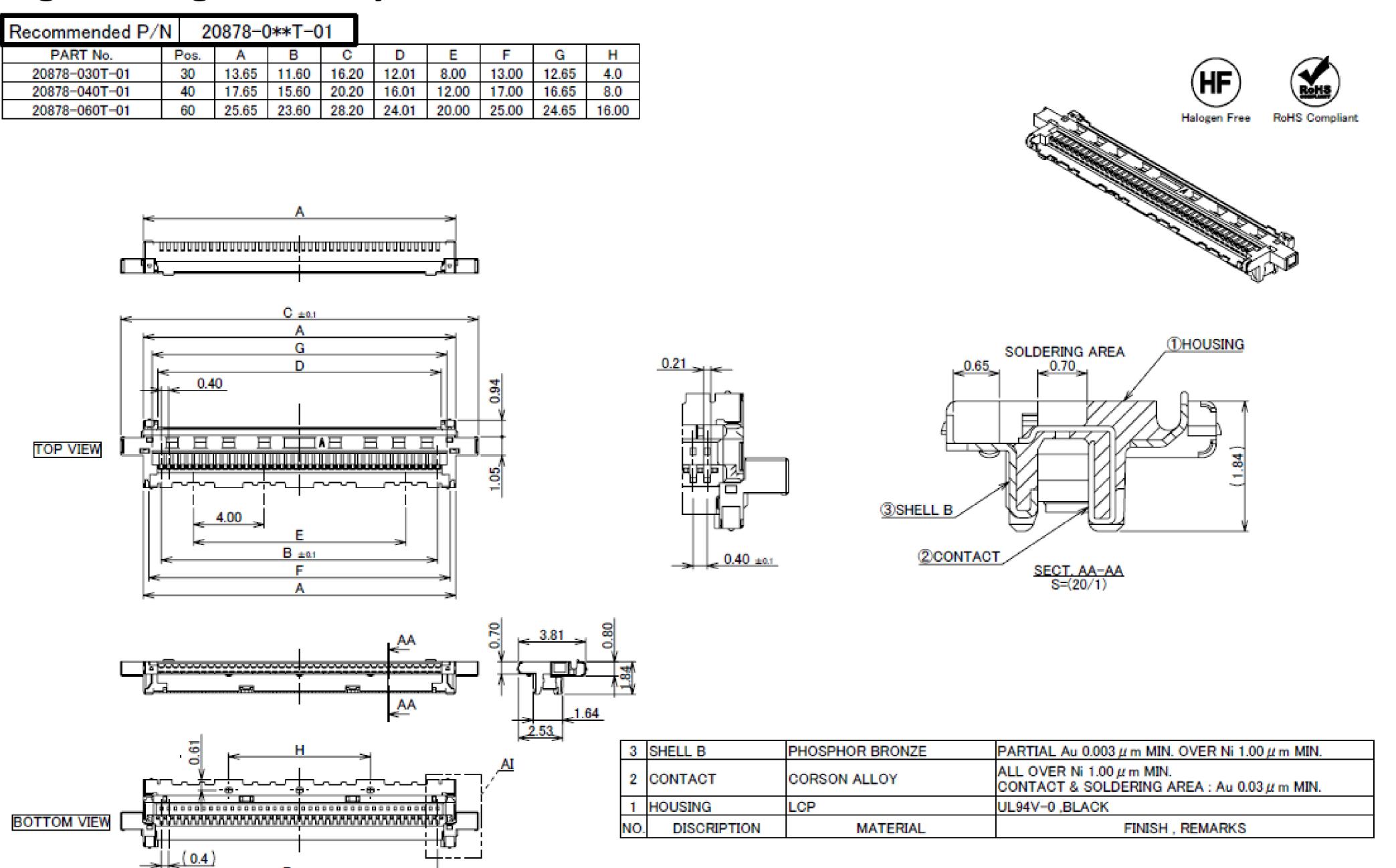
2.PULL-TAPE CAN BE PUT WITHIN THE RANGE OF "G" STRIAGHT AREA.





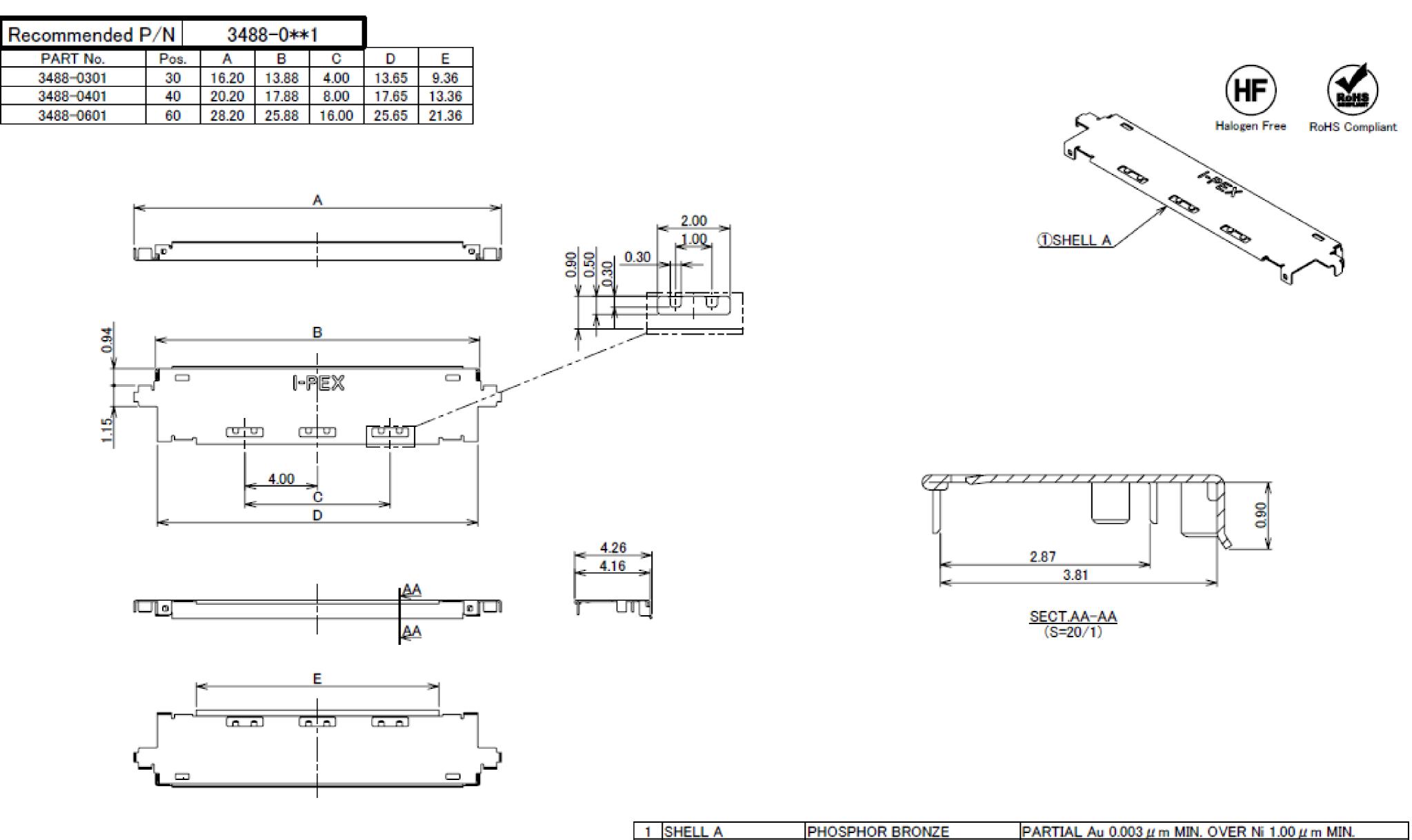


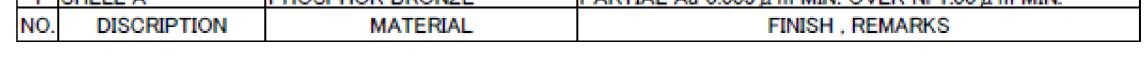
Plug Housing Assembly



Rev.4

Plug Shell-A





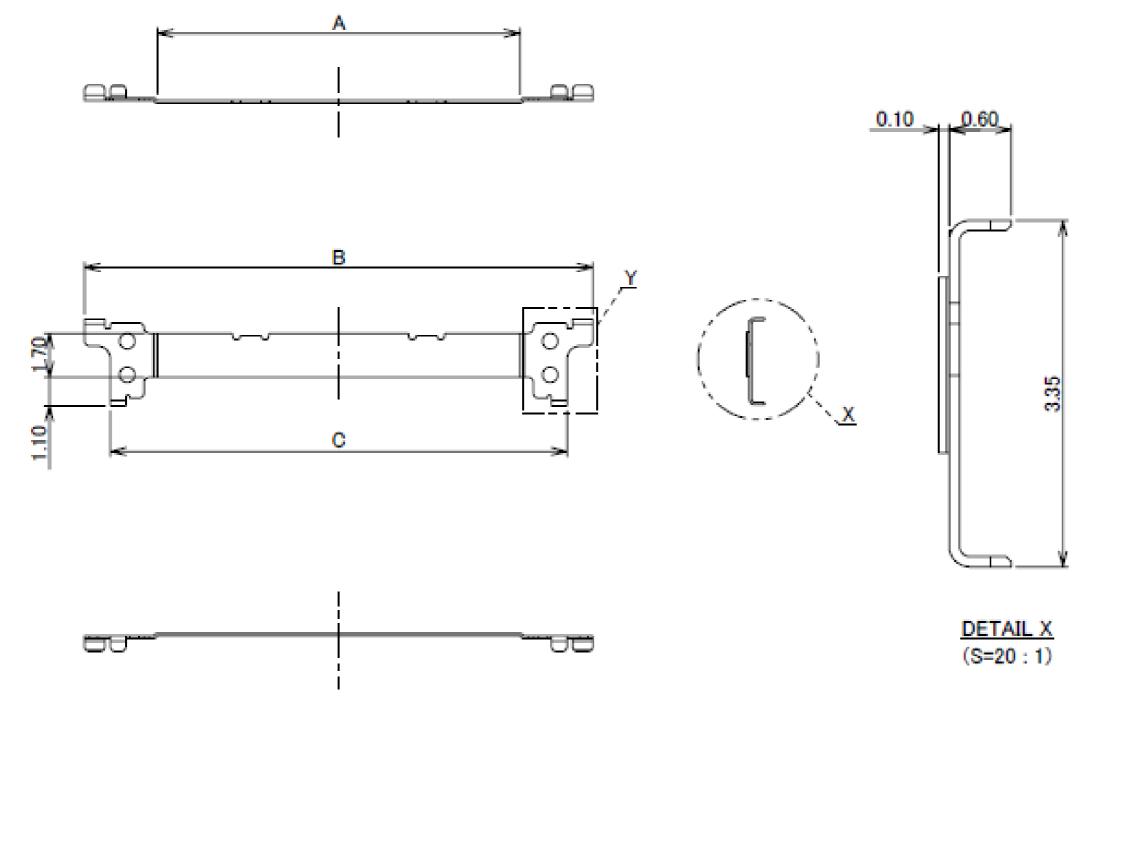


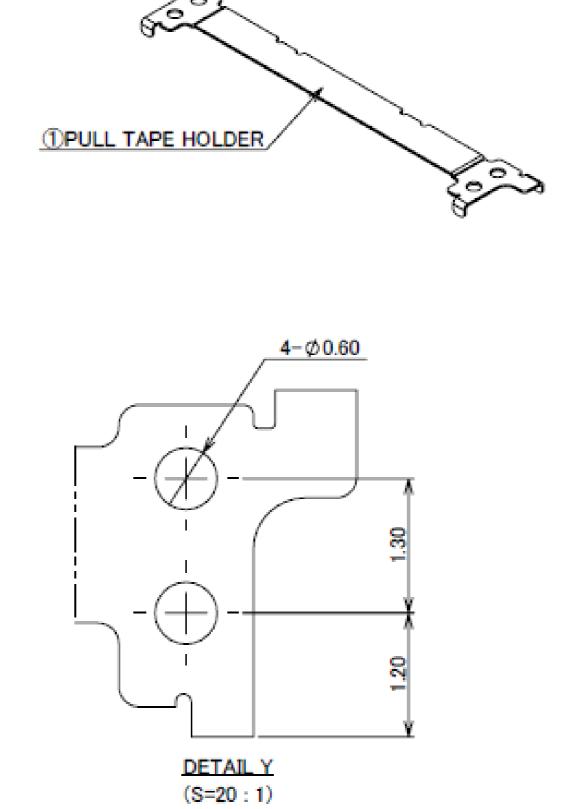
Plug Pull Tape Holder

Recommended	3588-0**1						
PART NO.	Pos.	Α	В	С			
3588-0301	30	10.00	15.65	13.65			
3588-0401	40	14.00	19.65	17.65			
3588-0601	60	22.00	27.65	25.65			







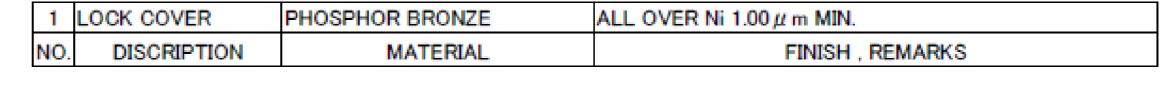


1	PULL TAPE HOLDER	PHOSPHOR BRONZE	PARTIAL Au 0.003 μ m MIN. OVER Ni 1.00 μ m MIN.
NO.	DISCRIPTION	MATERIAL	FINISH, REMARKS

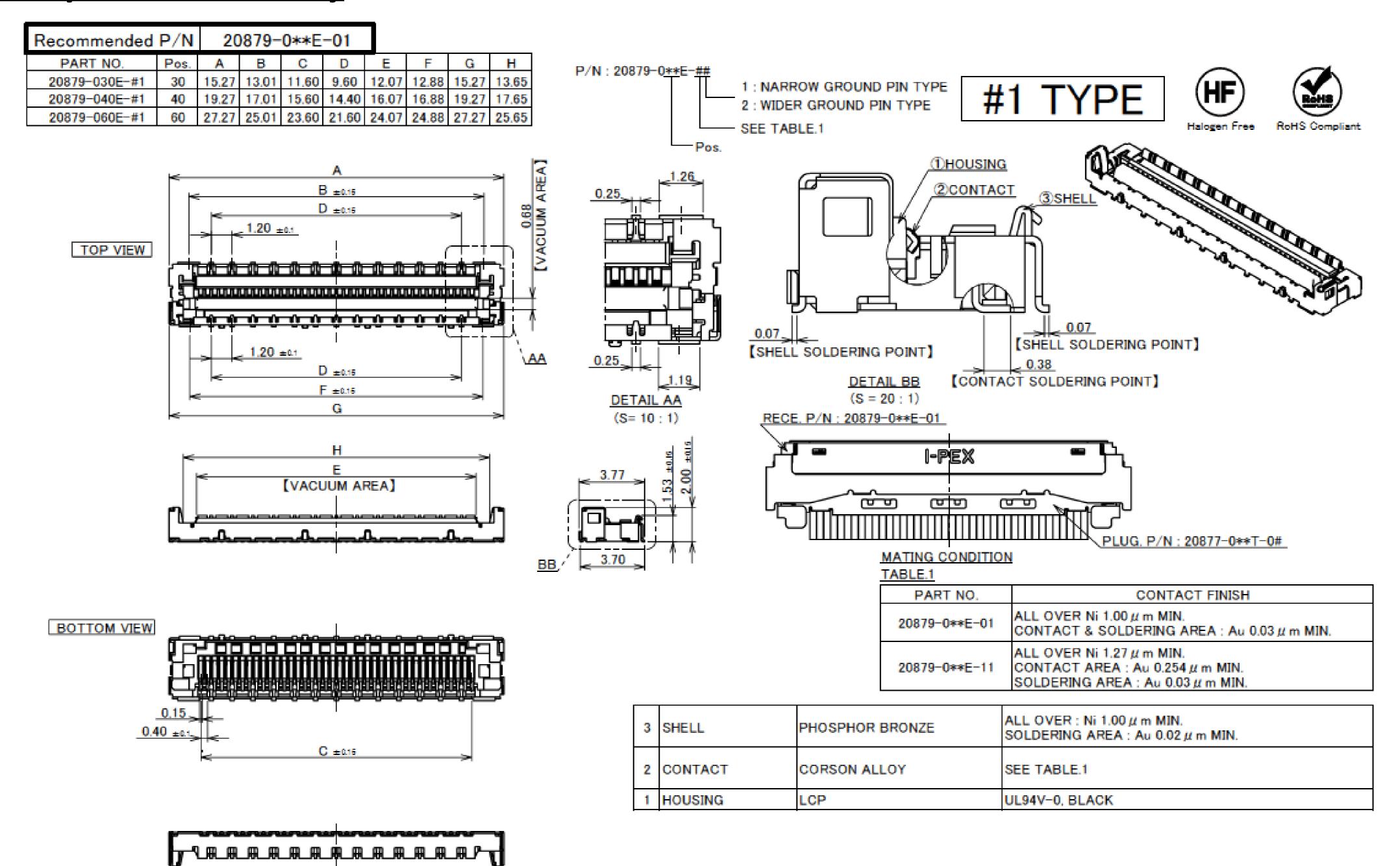
Rev.3

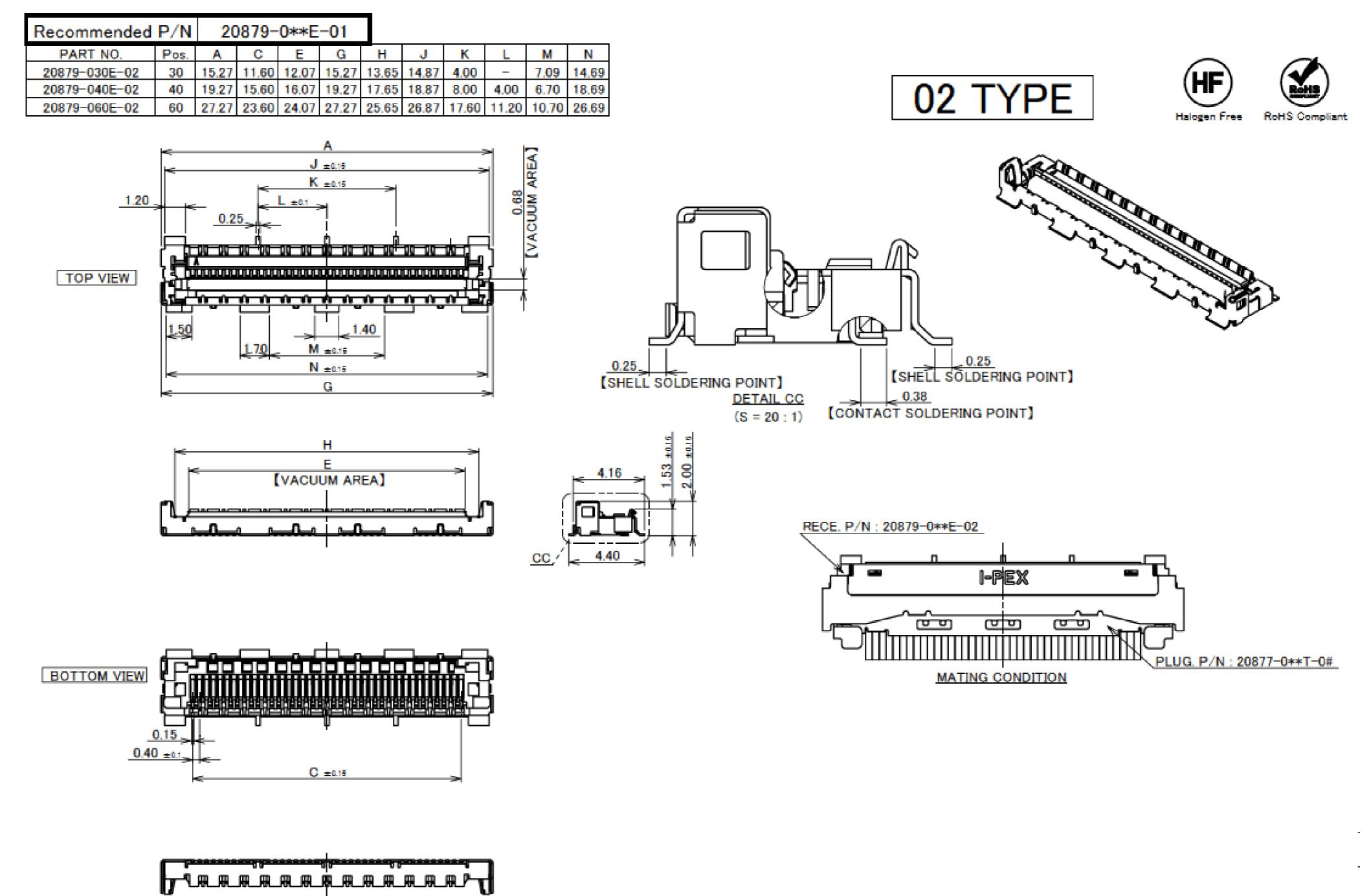
Lock Cover

Recommended P/N 3493-0**1 PART NO. Pos. A B C D 3493-0301 30 17.00 14.05 12.40 15.30 3493-0401 40 21.00 18.05 16.40 19.30 3493-0601 60 29.00 26.05 24.40 27.30			Halogen Free RoHS Compliant
B B (C)		①LOCK COVER	
	(\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	4.23	
		DETAIL X (S=20:1)	









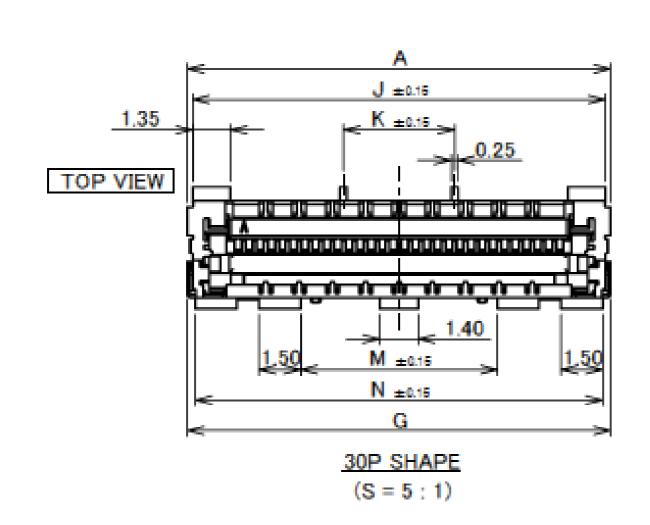


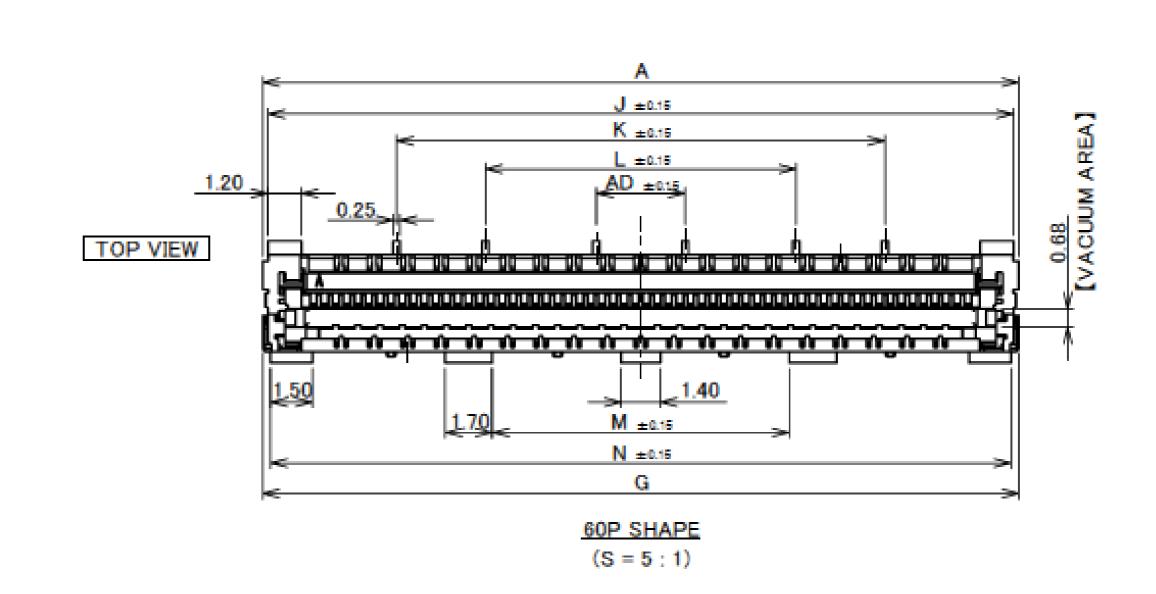
Recommended	P/N	20	879-	0**E	-01							
PART NO.	Pos.	Α	С	E	G	Н	7	K	L	М	N	AD
20879-030E-02	30	15.27	11.60	12.07	15.27	13.65	14.87	4.00	I	7.09	14.69	_
20879-040E-02	40	19.27	15.60	16.07	19.27	17.65	18.87	8.00	4.00	6.70	18.69	i
20879-060E-02	60	27.27	23.60	24.07	27.27	25.65	26.87	17.60	11.20	10.70	26.69	3.20











Rev.12

PART No.	Pos.	В	С	D	F	Р	Q	R	S	Т			
20879-030E-#1	30	13.01			12.88	15.17			9.00 1	2.50		ш-1	TVDE
20879-040E-#1	40	17.01	1	1	- i		1 1	19.07 2				#1 -	TYPE
20879-060E-#1	60	25.01	23.60	21.60	24.88			27.07 3					
				 							<u>s</u>	ı	
						<					P ±0.03		
							<				B ±0.03		
							⊢ <				C ±0.03		
								0.40 =			1.46 ±0.03 >		
							> <	0.20 ±	0.03				
			0.30 ±	:0.05		 	-				D ±0.03		
							-	 <	1.20 ±				
							₩	-	0.45 ±	0.03		8 8	
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		3	3		///	VA	/W	K/X	//,	//	//////////////////////////////////////	0.09	
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		1	<u> </u>	1						_ 1П		<u>* </u>	
		9		14	4/4			ЩЩ	Щ	Щ		1 8	
		# 9	기 생활	1 Y	///		- XXX	>>>>	XXX	XX		l Ş	
		3.23		1 ľ /	///	1	8888	XXXXX	<u> </u>	₩	×××××××××××××××××××××××××××××××××××××	2	
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		90.4	1		///		(l						
					///		וו גו					SEE N	OTES.1
					///		[] <u>-</u>	<	0.45 ±			ł	
		v		-V	///		[] →		1.20 ±	0.03	_ '	N	
							∏ ⊩	<			D ±0.03	055 110:	TEO 0
											1.40 ±0.03 >	SEE NOT	165.2
				0.40	±0.03 >	 -	←						
							≪=				F ±0.03		
						-					R ±0.03		
	ı									(1 TYPE RECOMMENDED PCB LAYOUT NOTES.		



1. SOLDER RESIST MUST BE APPLIED TO THIS AREA.

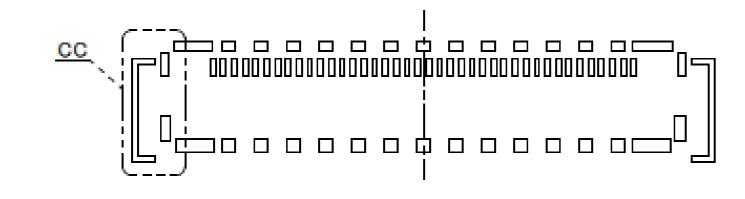
2. DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA.

(S = 10:1)

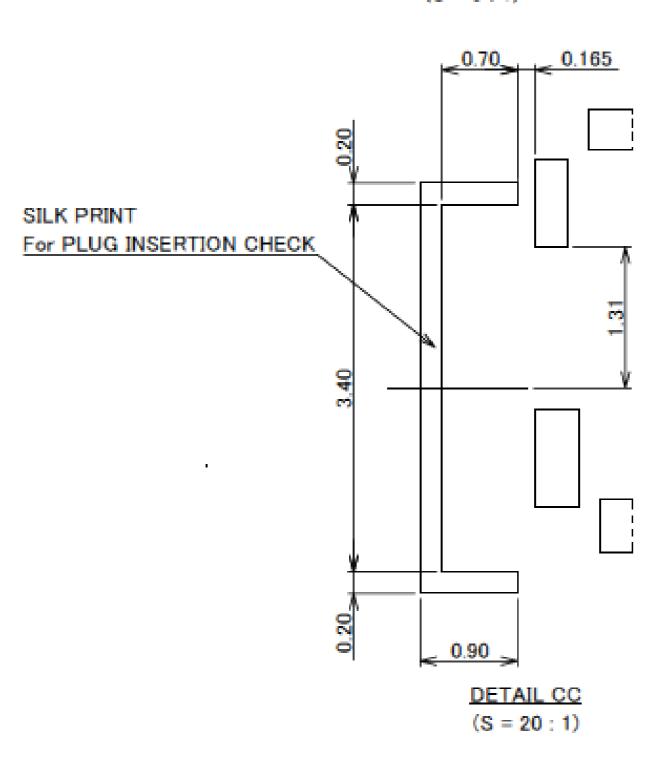
PART No.	Pos.
20879-030E-#1	30
20879-040E-#1	40
20879-060E-#1	60

#1 TYPE

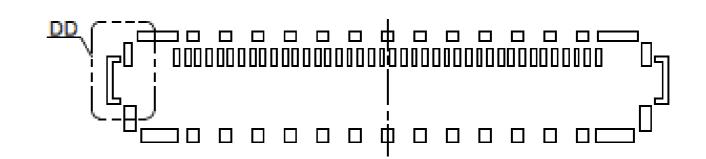
With LOCK COVER



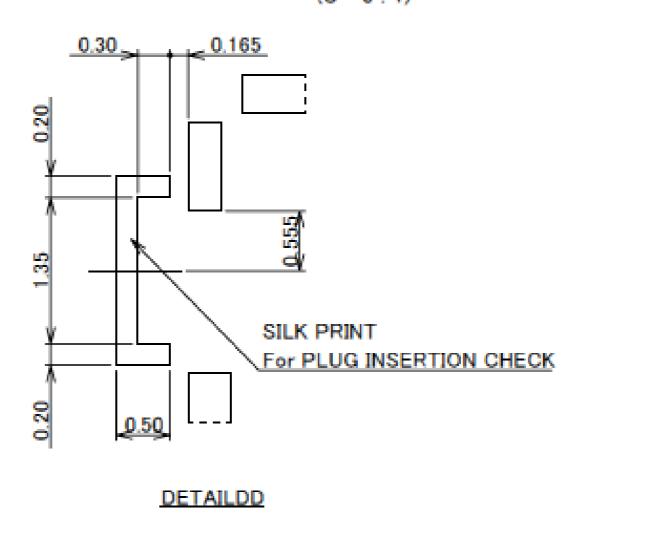
RECOMMENDED SILK PRINT For With LOCK COVER
(S = 5 : 1)



Without LOCK COVER & With PULL TAPE HOLDER

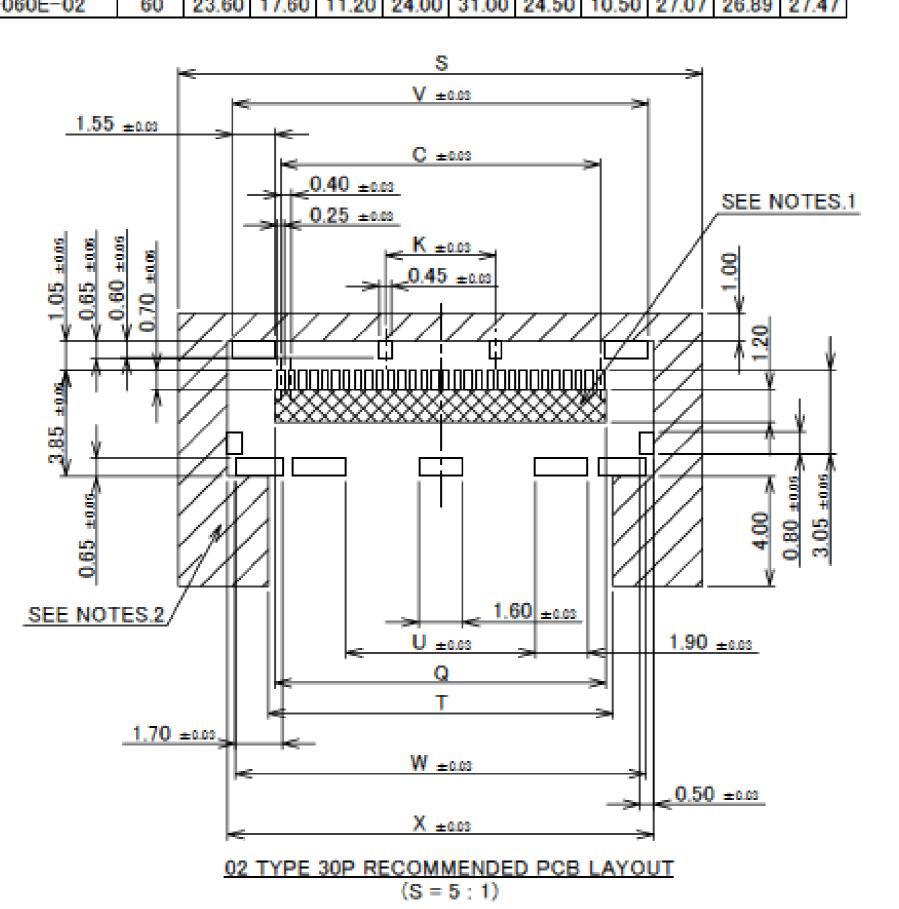


RECOMMENDED SILK PRINT For Without LOCK COVER
(S = 5 : 1)



Rev.12

PART No.	Pos.	C	K	١	Ø	s	Т	U	V	W	X
20879-030E-02	30	11.60	4.00	-	12.00	19.00	12.50	6.89	15.07	14.89	15.47
20879-040E-02	40	15.60	8.00	4.00	16.00	23.00	16.50	6.50	19.07	18.89	19.47
20279-0605-02	60	22.60	17.60	11.20	24.00	21.00	24.50	10.50	27.07	26.80	27.47



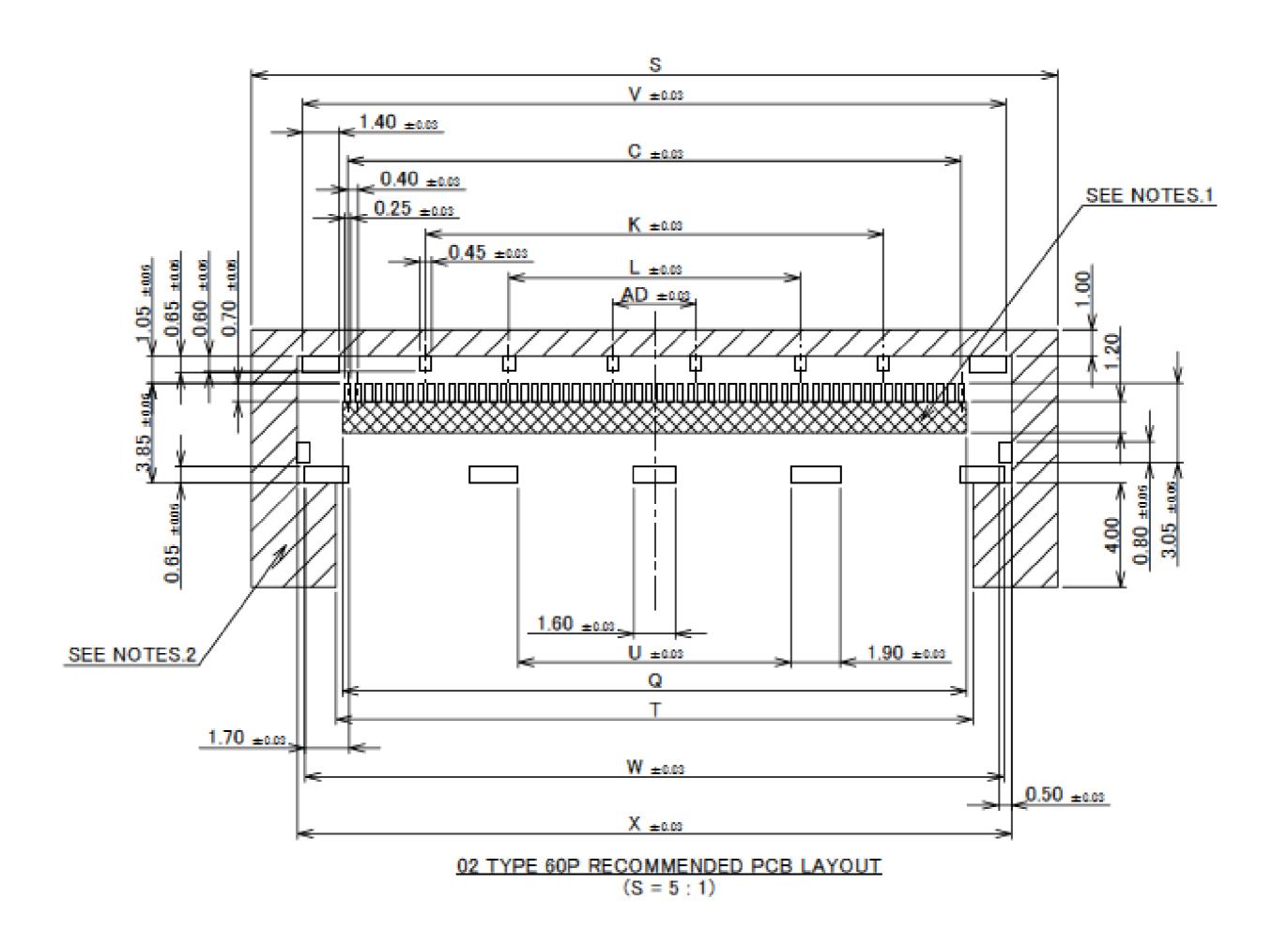
NOTES. 1. SOLDER RESIST MUST BE APPLIED TO THIS AREA. 2. DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA.

PATENT PENDING V ±0.03 1.40 ±0.03 C ±0.03 . 0.40 ±0.03 0.25 ±0.03 SEE NOTES.1 K ±0.03 0.65 ±000 1.60 ±0.03 1.90 ±0.03 SEE NOTES.2 1.70 ±0.03. W ±0.03 0.50 ±0.03 X ±0.03 02 TYPE 40P RECOMMENDED PCB LAYOUT (S = 5 : 1)

PART No.	Pos.	С	K	١	ø	S	Т	O	V	W	X	AD
20879-030E-02	30	11.60	4.00	ı	12.00	19.00	12.50	6.89	15.07	14.89	15.47	_
20879-040E-02	40	15.60	8.00	4.00	16.00	23.00	16.50	6.50	19.07	18.89	19.47	_
20879-060E-02	60	23.60	17.60	11.20	24.00	31.00	24.50	10.50	27.07	26.89	27.47	3.20

PATENT PENDING

02 TYPE



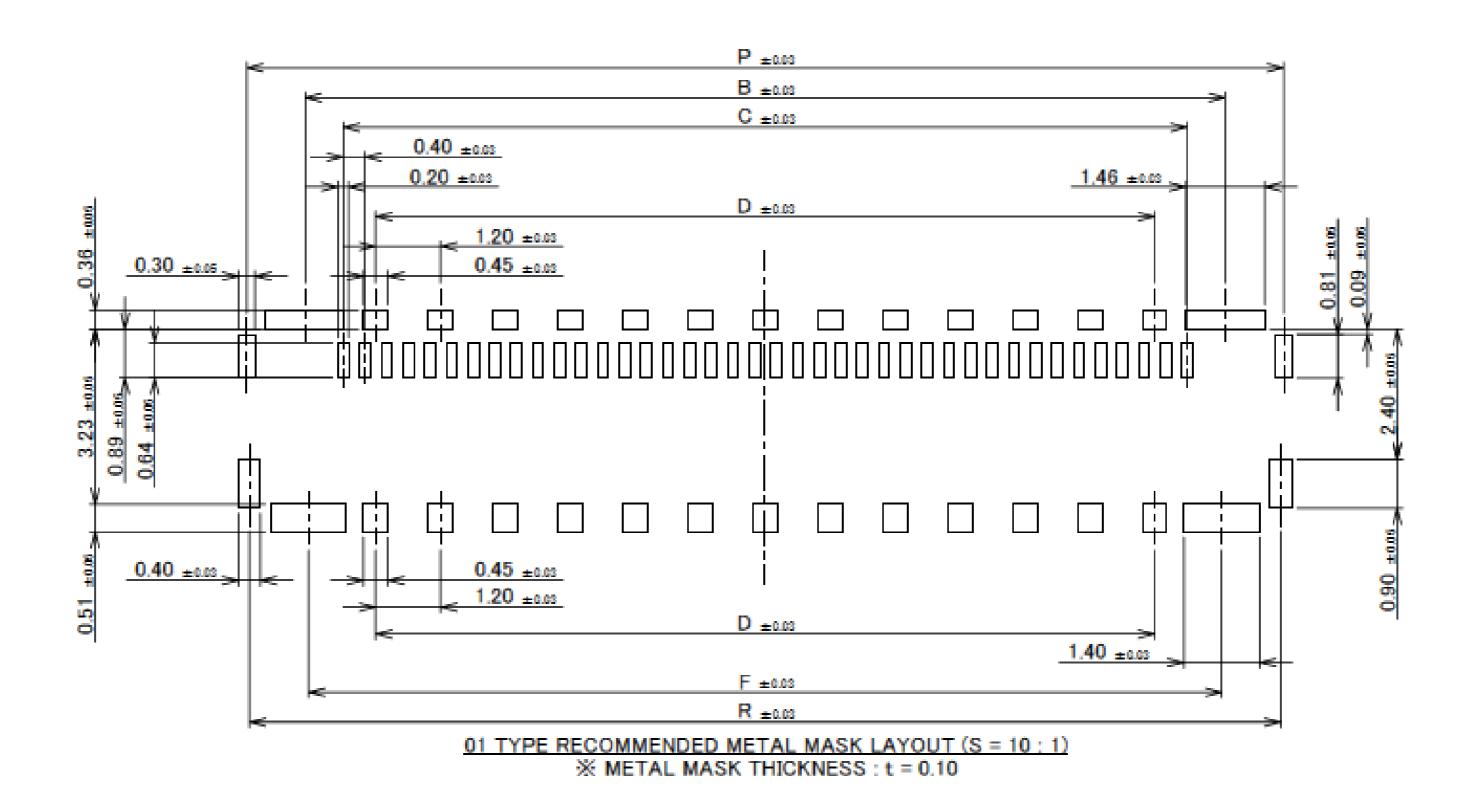
NOTES.

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

Rev.12

PART No.	Pos.	В	С	D	F	Р	R
20879-030E-#1	30	13.01	11.60	9.60	12.88	15.17	15.07
20879-040E-#1	40	17.01	15.60	14.40	16.88	19.17	19.07
20879-060E-#1	60	25.01	23.60	21.60	24.88	27.17	27.07

#1 TYPE

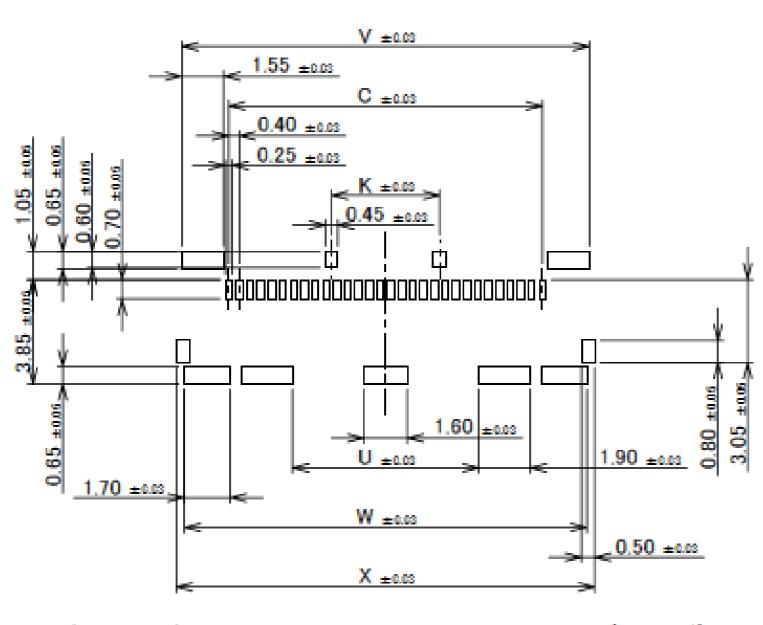


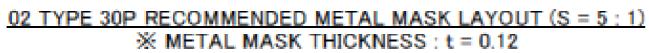


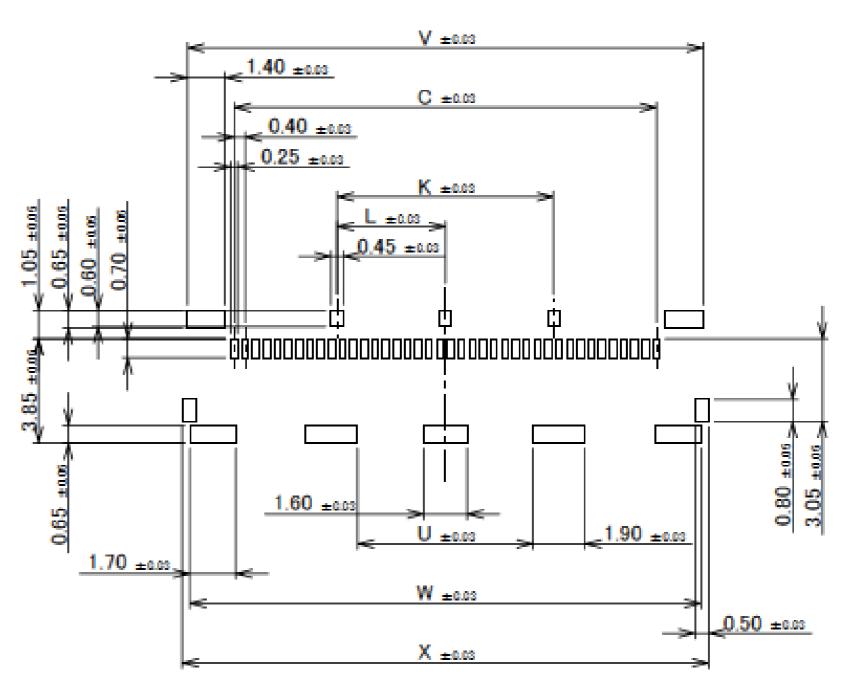


PART No.	Pos.	С	K	L	U	٧	W	X
20879-030E-02	30	11.60	4.00	_	6.89	15.07	14.89	15.47
20879-040E-02	40	15.60	8.00	4.00	6.50	19.07	18.89	19.47
20879-060E-02	60	23.60	17.60	11.20	10.50	27.07	26.89	27.47

02 TYPE







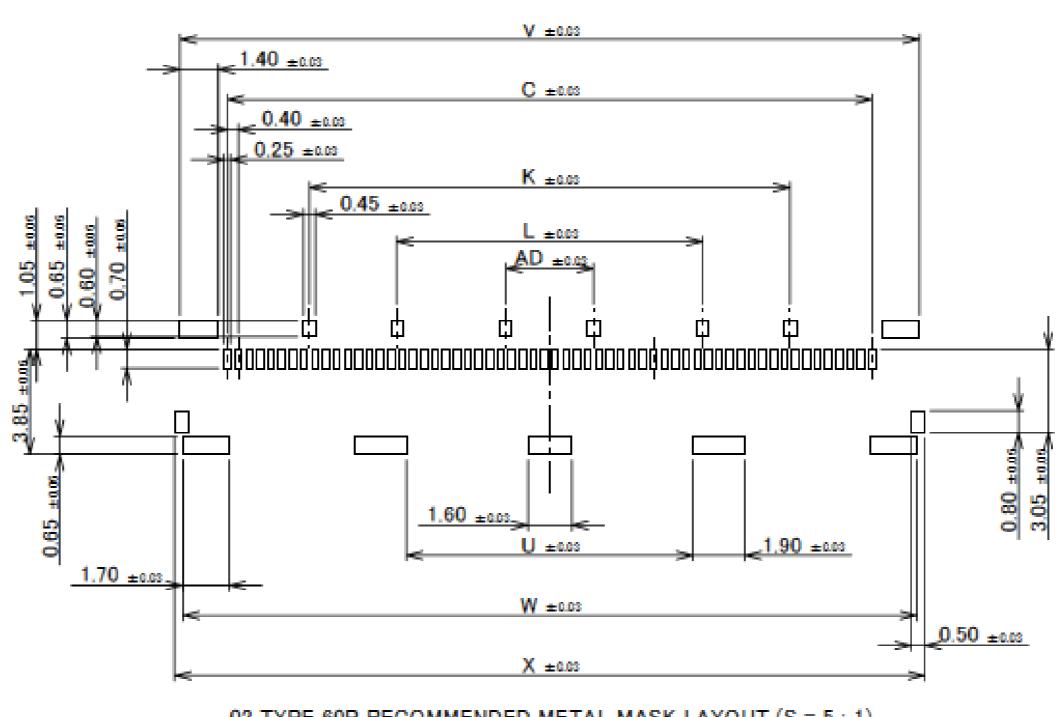
02 TYPE 40P RECOMMENDED METAL MASK LAYOUT (S = 5 : 1)

** METAL MASK THICKNESS : t = 0.12

Rev.12

PART No.	Pos.	С	K	L	U	٧	W	Х	AD
20879-030E-02	30	11.60	4.00	İ	6.89	15.07	14.89	15.47	_
20879-040E-02	40	15.60	8.00	4.00	6.50	19.07	18.89	19.47	_
20879-060E-02	60	23.60	17.60	11.20	10.50	27.07	26.89	27.47	3.20

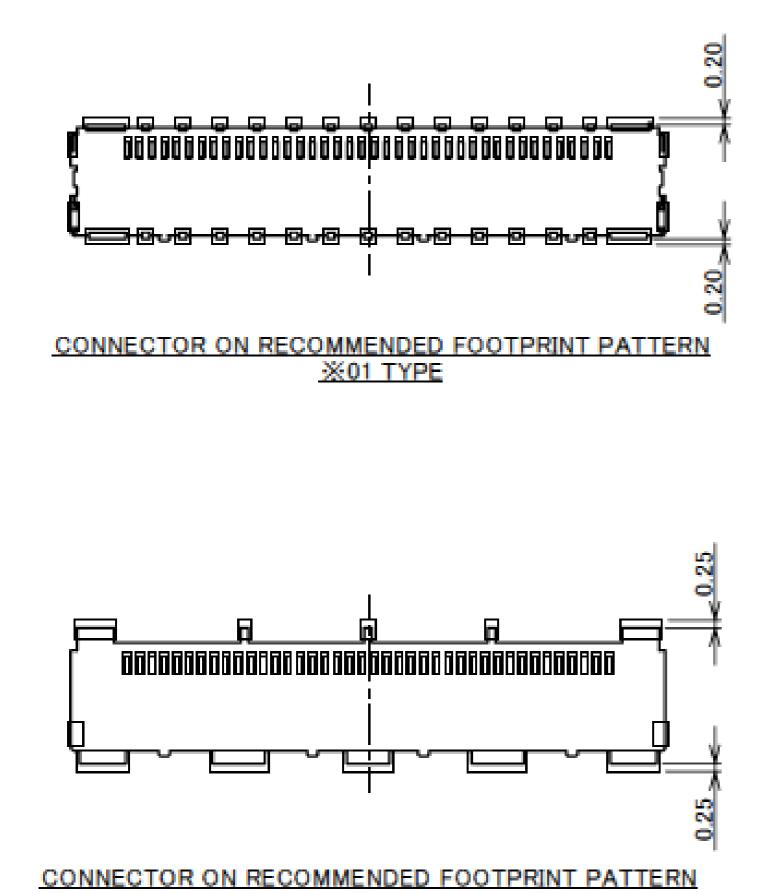
02 TYPE



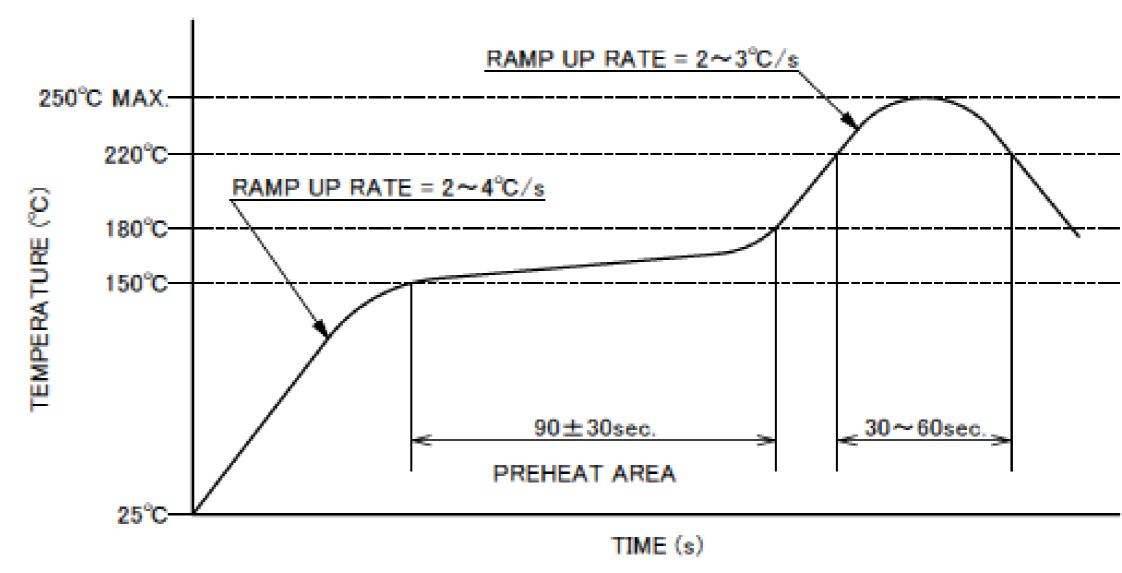
02 TYPE 60P RECOMMENDED METAL MASK LAYOUT (S = 5 : 1)

** METAL MASK THICKNESS : t = 0.12





202 TYPE



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

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)	0.15A AC/DC [AWG#44] PER CONTACT PIN/UP TO 60 CONTACTS 0.24A AC/DC [AWG#42] PER CONTACT PIN/UP TO 49 CONTACTS 0.3A AC/DC [AWG#40] PER CONTACT PIN/UP TO 38 CONTACTS 0.5A AC/DC [AWG#38] PER CONTACT PIN/UP TO 19 CONTACTS 0.8A AC/DC [AWG#36] PER CONTACT PIN/UP TO 12 CONTACTS 1.0A AC/DC [AWG#34] PER CONTACT PIN/UP TO 10 CONTACTS %TESTING BY A REAL MACHINE IS RECOMMENDED BECAUSE TEMPERATURE RISE MAY AFFECTED BY ACTUAL SITUATION.						
OPERATING TEMPERATURE	233~378K(-40°C~+105°C)						
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)						
CONTACT RESISTANCE	INITIAL: 180mohm MAX.(AWG#34) / AFTER TEST: 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: △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: 34.00N MAX. 60P: 52.00N MAX. 40P: 40.00N MAX.						
UNMATING FORCE (INITIAL / AFTER TEST)	30P: 3.0N MIN. 60P: 6.0N MAX. 40P: 4.0N MIN.						
CABLE RETENTION FORCE	30P: 14.70N MIN. 60P: 29.40N MAX. 40P: 19.60N MIN.						
COPLANARITY	0.10 MAX.						
PRODUCT SPECIFICATION	PRS-2514						
TEST REPORT	TR-18067 (PLUG:20877-0**T-0#, RECEPTACLE:20879-0**E-01) TR-18088 (PLUG:20877-0**T-0#, RECEPTACLE:20879-0**E-02) TR-24001 (PLUG:20877-0**T-0#, RECEPTACLE:20879-0**E-11) TR-24002 (PLUG:20877-0**T-1#, RECEPTACLE:20879-0**E-01) TR-24003 (PLUG:20877-0**T-1#, RECEPTACLE:20879-0**E-02) TR-24004 (PLUG:20877-0**T-1#, RECEPTACLE:20879-0**E-11)						
PACKING STANDARD	PST-18043						
INSTRUCTION MANUAL	HIM-18033						
APPEARANCE CRITERIA No.	QLS-A***						





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Contact your sales representative or more detailed information.

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