



- ✓ 360度フルシールドと多点グランド設計による EMI対策
- ✓ メカニカルロックカバーによる高い嵌合保持力
- ✓ 高いコンタクト接触信頼性

Pin counts:

Range	10 - 60
Available	30, 40

*記載のない極数の対応状況についてはお問い合わせください。

Mating type		Right Angle Vertical
Wire (FPC) pitch (mm)		0.4
Board pitch (mm)		0.4
Mated size (mm)	Height	With Lock Cover : 2.2 +/- 0.15 Without Lock Cover : 2.0 +/- 0.15
	Width Formula	5.0 + (0.4 * ? p)
	Depth	5.0 with lock cover
Wiping length (mm)		0.65
Applicable wire (AWG#)	Micro-coax for signals	45Ω : #38 or smaller 50Ω : #40 or smaller
	Twincoax	#40
	Discrete	#34 or smaller
Contact point		-
Performance (Reference only)		Thunderbolt 3 (20 Gbps/lane) PCIe Gen 4 (16GT/s) USB 3.1 Gen 2 (10 Gbps) eDP HBR 3 (8.1 Gbps)

360度フルシールドと多点グランド設計によるEMI対策

高速伝送例

Wi-Fi® Antenna

高速伝送

信号干渉なし

レセプタクル裏側

○ グランドSMT点

CONTACT TAIL IS COMPLETELY COVERED IN THIS CONNECTOR EXAMPLE

FPL II

CABLINA-UM (フルシールドコネクタ)

メカニカルロックカバーによる高い嵌合保持力

ロック嵌合手順

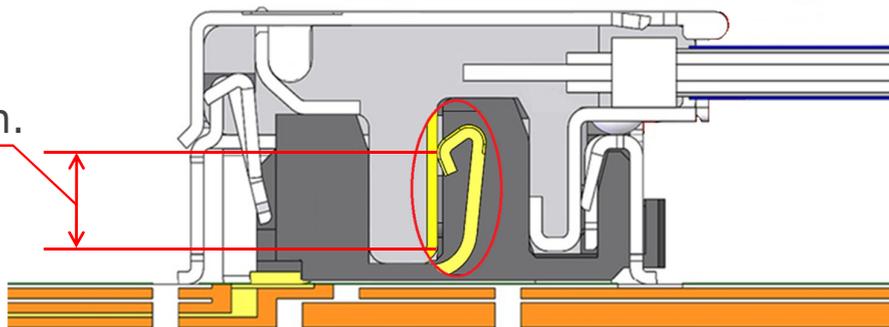
ロック解除抜去手順

パチッ

パチッ

高いコンタクト接触信頼性

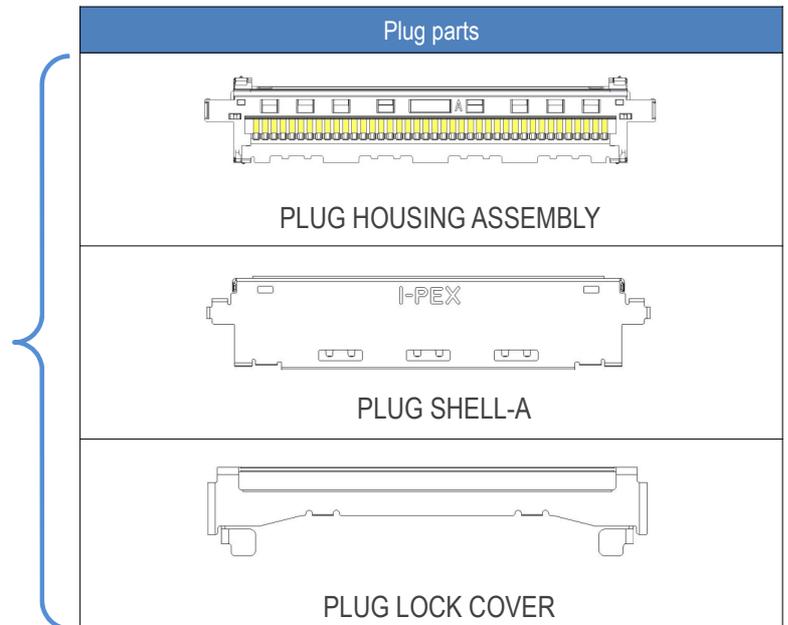
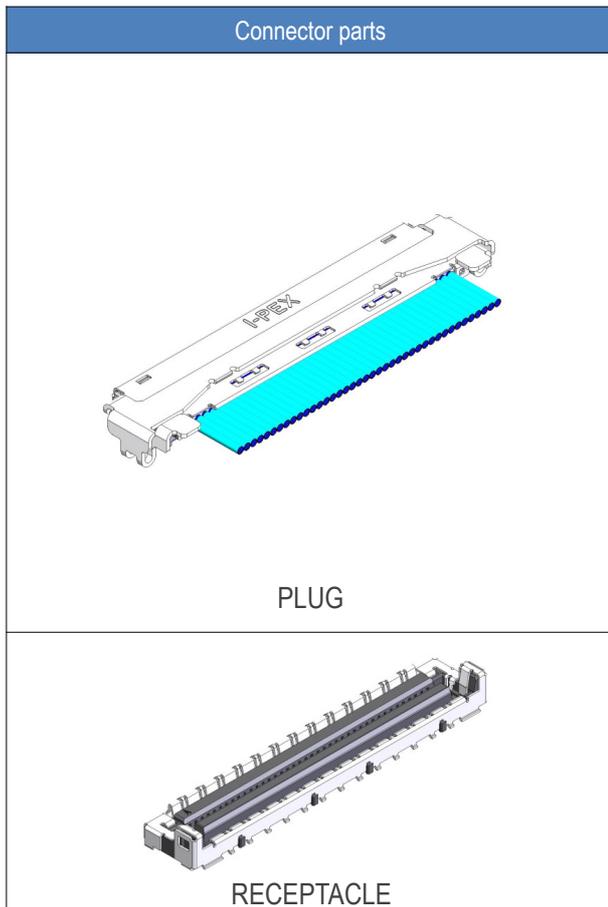
有効嵌合長 : 0.65 mm Min.



CABLIN[®]-UM

Component Parts Detail

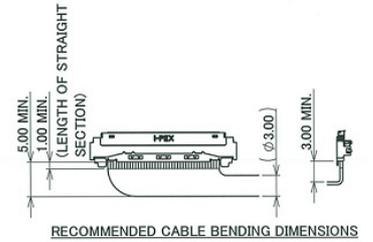
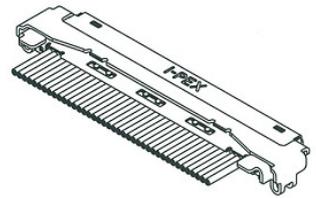
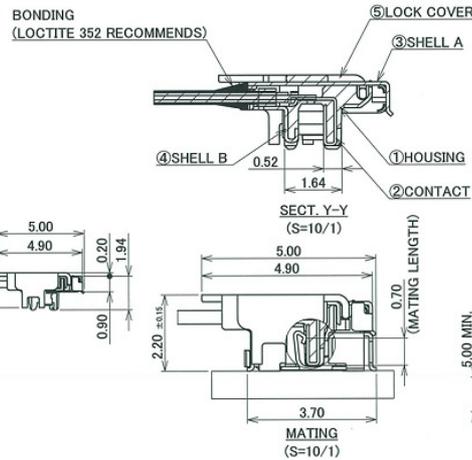
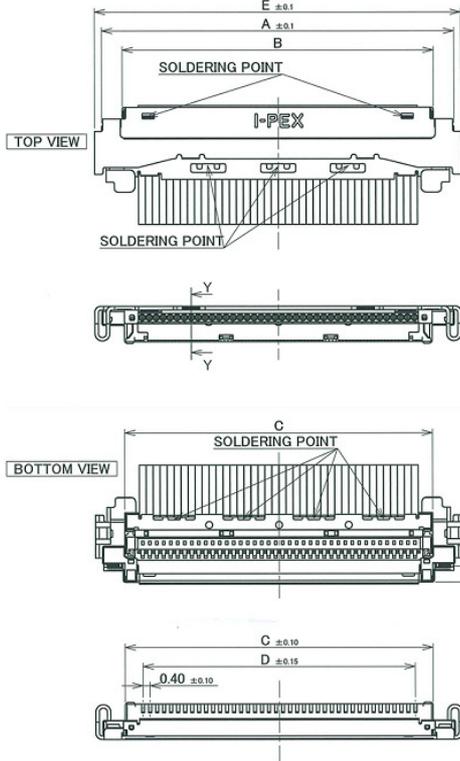
Component Parts:



Plug for Cable Assembly :

Recommended P/N		20877-0**T-01				
PART NO.	Pos.	A	B	C	D	E
20877-030T-01	30	16.20	13.85	13.65	11.60	17.00
20877-040T-01	40	20.20	17.85	17.65	15.60	21.00

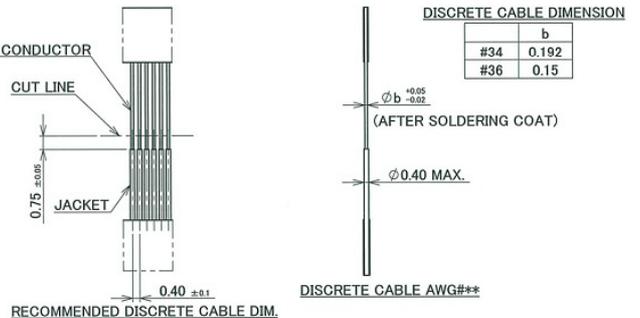
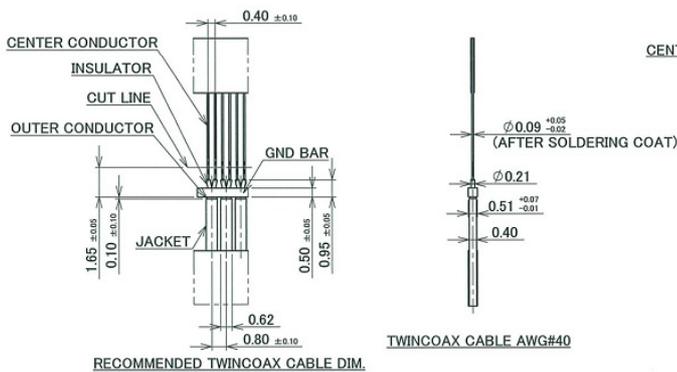
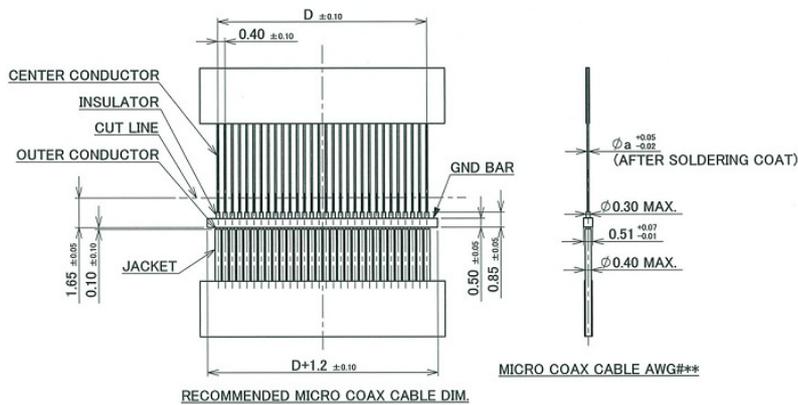
With LOCK COVER



NO.	DISCRPTION	MATERIAL	FINISH , REMARKS
5	LOCK COVER	PHOSPHOR BRONZE	ALL OVER Ni 1.0 μm MIN.
4	SHELL B	PHOSPHOR BRONZE	PARTIAL Au 0.003 μm MIN. OVER Ni 1.0 μm MIN.
3	SHELL A	PHOSPHOR BRONZE	PARTIAL Au 0.003 μm MIN. OVER Ni 1.0 μm MIN.
2	CONTACT	CORSON ALLOY	ALL OVER Ni 1.00 μm MIN. CONTACT & SOLDERING AREA : Au 0.03 μm MIN.
1	HOUSING	LCP	UL94V-0 ,BLACK

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PART NO.	Pos.	D
20877-030T-0#	30	11.60
20877-040T-0#	40	15.60

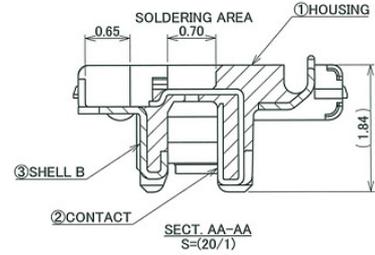
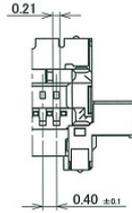
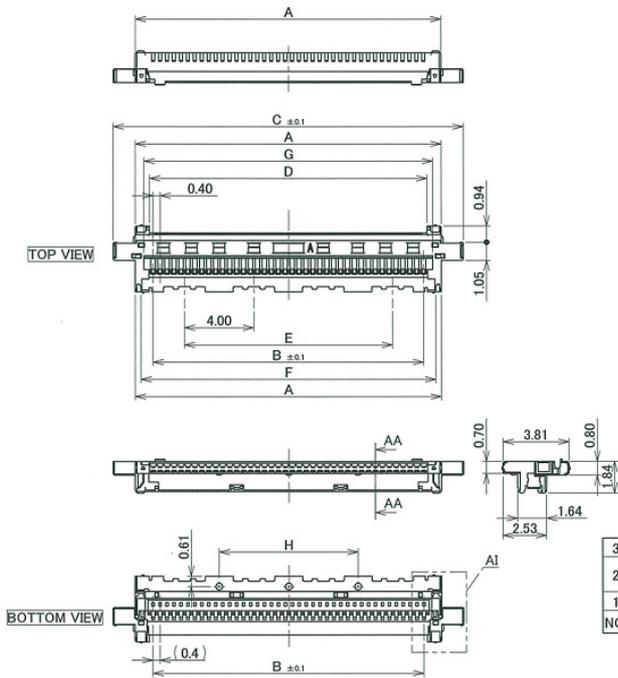
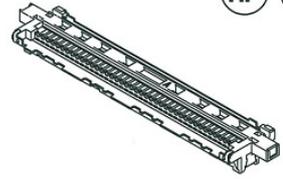


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Plug Housing Assembly :

Recommended P/N 20878-0**T-01

PART No.	Pos.	A	B	C	D	E	F	G	H
20878-030T-01	30	13.65	11.60	16.20	12.01	8.00	13.00	12.65	4.0
20878-040T-01	40	17.65	15.60	20.20	16.01	12.00	17.00	16.65	8.0



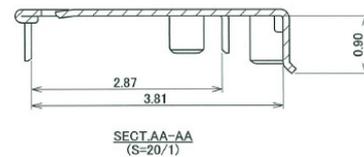
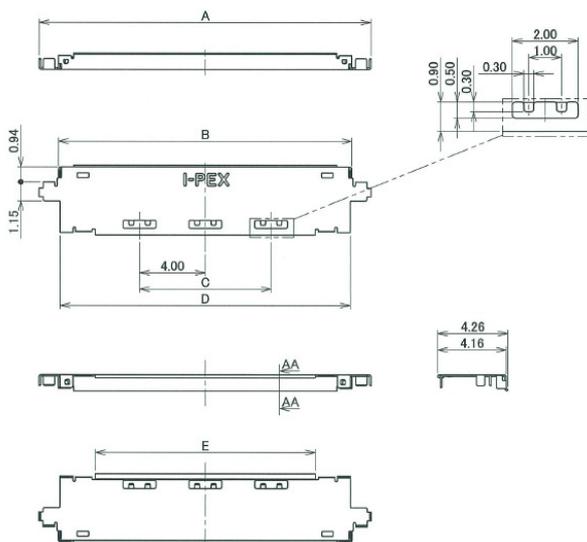
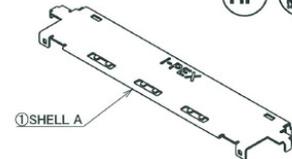
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS
3	SHELL A	PHOSPHOR BRONZE	PARTIAL Au 0.003 μm MIN. OVER Ni 1.00 μm MIN.
2	CONTACT	CORSON ALLOY	ALL OVER Ni 1.00 μm MIN. CONTACT & SOLDERING AREA : Au 0.03 μm MIN.
1	HOUSING	LCP	UL94V-0_BLACK

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Plug Shell-A :

Recommended P/N 3488-0**1

PART No.	Pos.	A	B	C	D	E
3488-0301	30	16.20	13.88	4.00	13.65	9.36
3488-0401	40	20.20	17.88	8.00	17.65	13.36

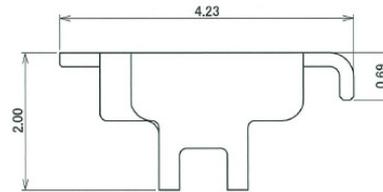
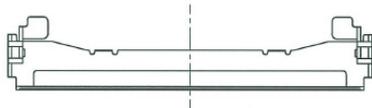
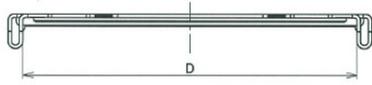
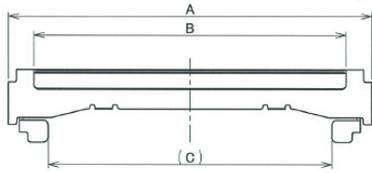


NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS
1	SHELL A	PHOSPHOR BRONZE	PARTIAL Au 0.003 μm MIN. OVER Ni 1.00 μm MIN.

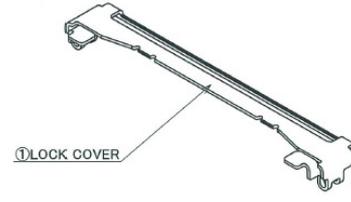
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Lock Cover :

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	



DETAIL L
(S=20:1)

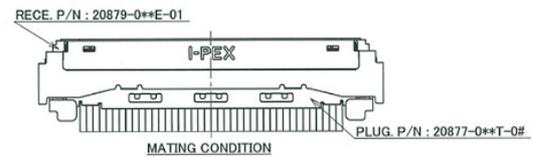
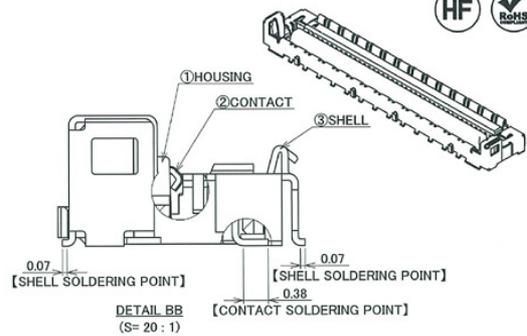
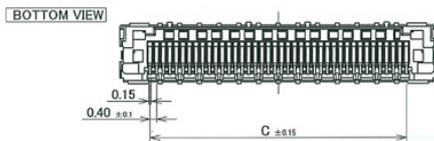
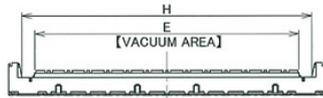
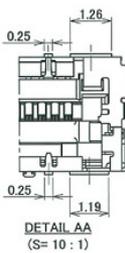
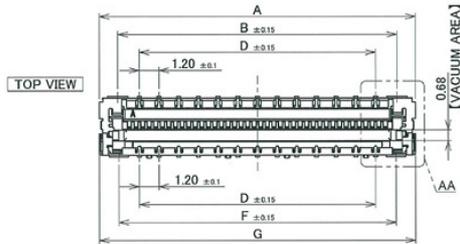


NO.	DISCRIPTION	MATERIAL	FINISH . REMARKS
1	LOCK COVER	PHOSPHOR BRONZE	ALL OVER Ni 1.00 μm MIN.

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Receptacle Assembly :

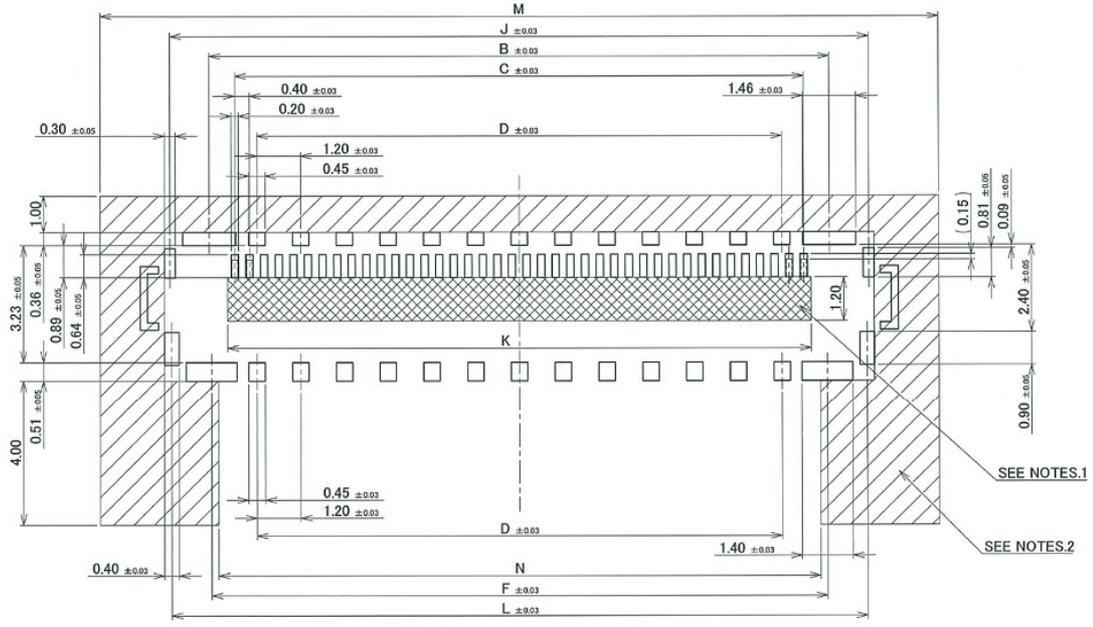
Recommended P/N		20879-0**E-01							
PART NO.	Pos.	A	B	C	D	E	F	G	H
20879-030E-01	30	15.27	13.01	11.60	9.60	12.07	12.88	15.27	13.65
20879-040E-01	40	19.27	17.01	15.60	14.40	16.07	16.88	19.27	17.65



NO.	DISCRIPTION	MATERIAL	FINISH . REMARKS
3	SHELL	PHOSPHOR BRONZE	ALL OVER : Ni 1.00 μm MIN. SOLDERING AREA : Au 0.02 μm MIN.
2	CONACT	CORSON ALLOY	ALL OVER : Ni 1.00 μm MIN. CONTACT & SOLDERING AREA : Au 0.03 μm MIN.
1	HOUSING	LCP	UL94V-0, BLACK

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PART No.	Pos.	B	C	D	F	J	K	L	M	N
20879-030E-01	30	13.01	11.60	9.60	12.88	15.17	12.00	15.07	19.00	12.50
20879-040E-01	40	17.01	15.60	14.40	16.88	19.17	16.00	19.07	23.00	16.50

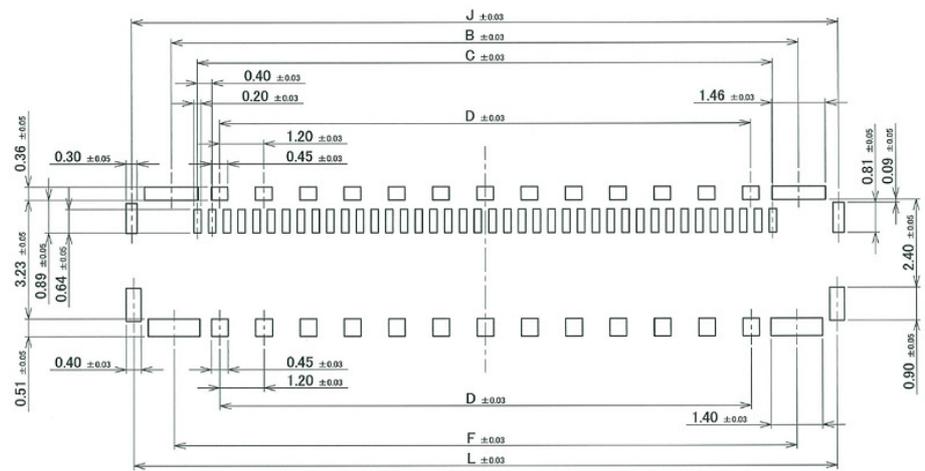


RECOMMENDED PCB LAYOUT (S=10/1)

NOTES.
 1.SOLDER RESIST SHALL BE COATED IN CASE OF RUNNING TRACES ON THIS FOOT PRINT PATTERN PROHIBITION AREA.
 2.THIS AREA CANNOT MOUNT ANOTHER COMPONENTS.

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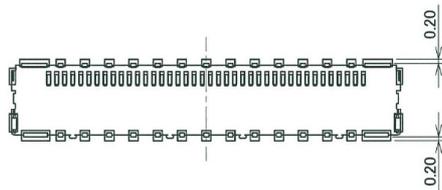
PART No.	Pos.	B	C	D	F	J	L
20879-030E-01	30	13.01	11.60	9.60	12.88	15.17	15.07
20879-040E-01	40	17.01	15.60	14.40	16.88	19.17	19.07



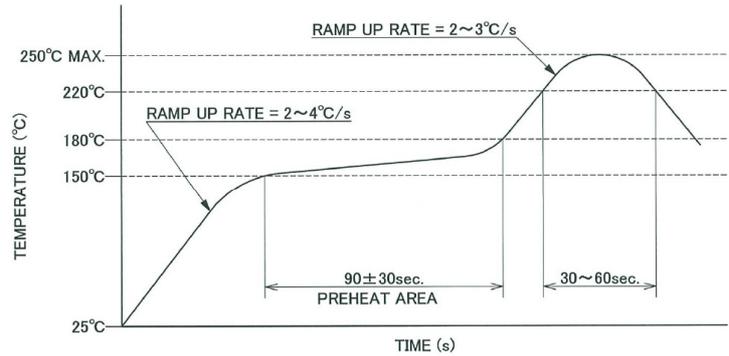
CABLIME-UM RECOMMENDED METAL MASK LAYOUT (S=10/1)
 ※ METAL MASK THICKNESS : t = 0.10

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CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN



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

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ITEMS	SPECIFICATION
APPLICABLE CABLE	MICRO COAX : AWG# 44 , 42 , 40 , 38 , 36 DISCRETE : AWG# 36 , 34 TWINCOAX : AWG# 40
RATING VOLTAGE	100V AC (PER A CONTACT)
RATING AMPERAGE (FOR CONTACT)	0.1A AC/DC [AWG#44] PER CONTACT 0.24A AC/DC [AWG#42] PER CONTACT 0.3A AC/DC [AWG#40] PER CONTACT 0.5A AC/DC [AWG#38] PER CONTACT 0.8A AC/DC [AWG#36] PER CONTACT 1.0A AC/DC [AWG#34] PER CONTACT ※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-CONDENSING)
CONTACT RESISTANCE	INITIAL : 180mohm MAX.(AWG#34) / AFTER TEST : \triangleleft40mohm 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 : \triangleleft40mohm 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. 40P : 40.00N MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	30P : 3.0N MIN. 40P : 4.0N MIN.
CABLE RETENTION FORCE	30P : 14.70N MIN. 40P : 19.60N MIN.
GOPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-2514
TEST REPORT	TR-18067
PACKING STANDARD	PST-18043
INSTRUCTION MANUAL	HIM-18033
ASSEMBLY MANUAL	ASM-18003

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