

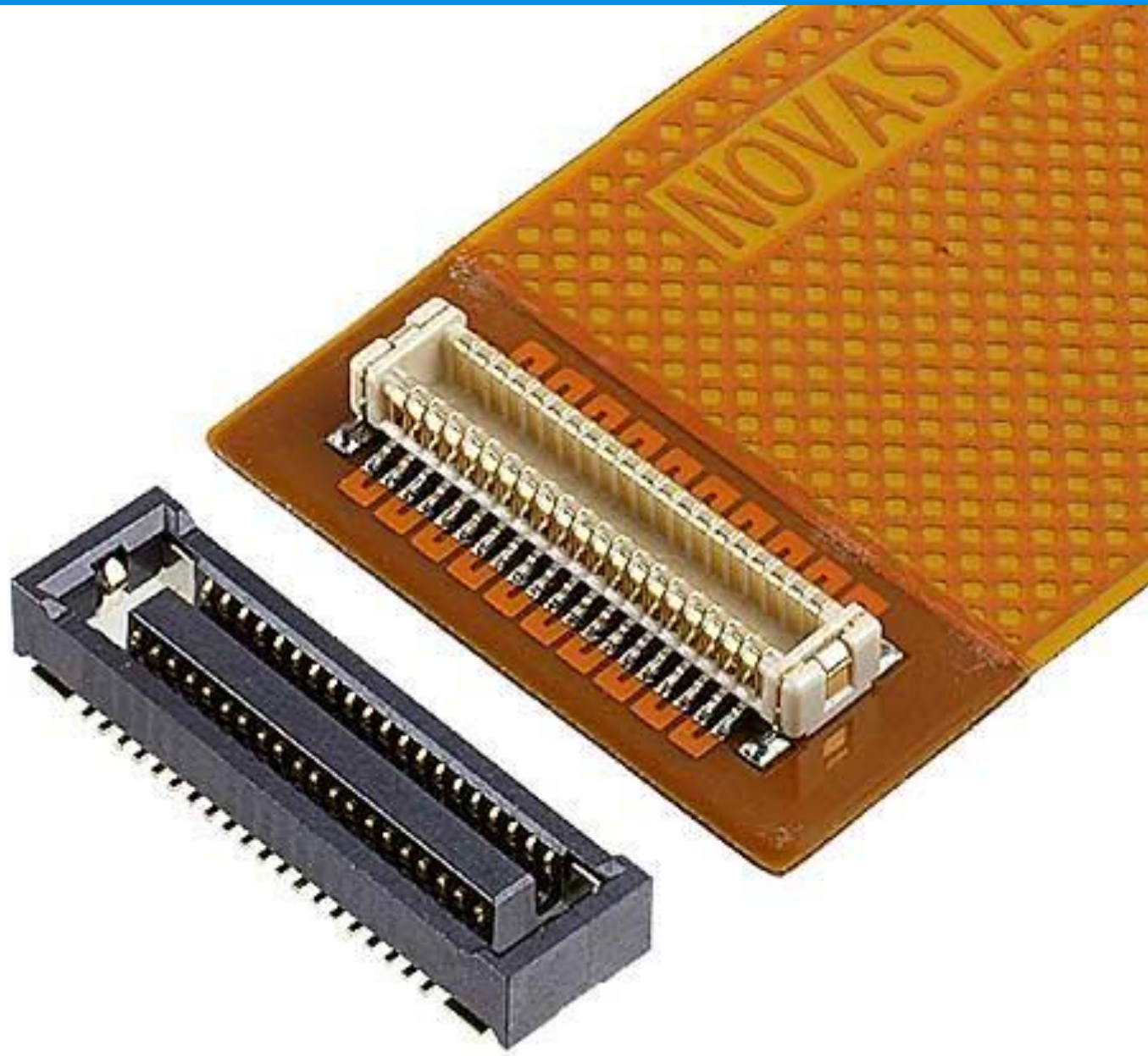
NOVASTACK® 35-PH

高度1.5 mm, 有较长有效嵌合长度的板对板产品, 0.35 mm 间距, 垂直插拔

Product Specifications:

Board Pitch (mm)		0.35
Wiping Length (mm)		0.32
Mated Size (mm)	Height	1.5 +/- 0.06
	Width	Formula: 2.65 + (0.35*?p/2)
	Depth	2.8
Current Rating	Signal	0.3 A/pin
	Power	3.0 A/pin x 2
Pin Counts	Range	10 - 50 (signal) + 2 (power)
	Available	10,30,40,50 /+ 2

*如您需要了解未列出或不在范围内的Pin数，请咨询我们。

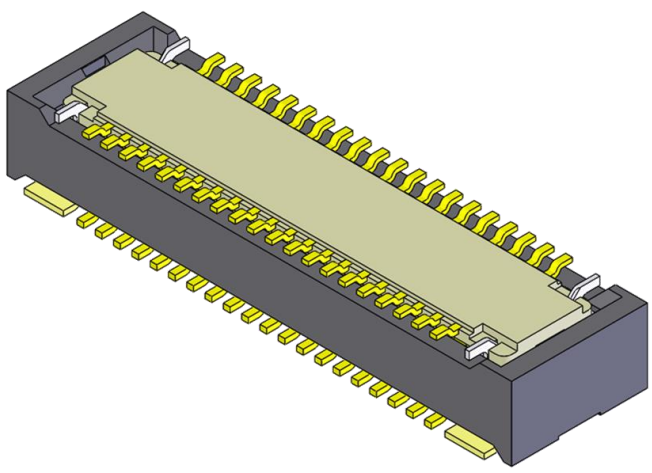


嵌合高度为1.5 mm，特别的设计能够提供高的保持力和确实的扣合感

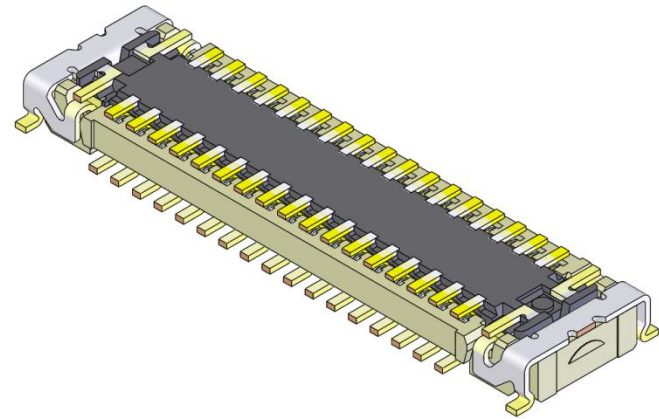
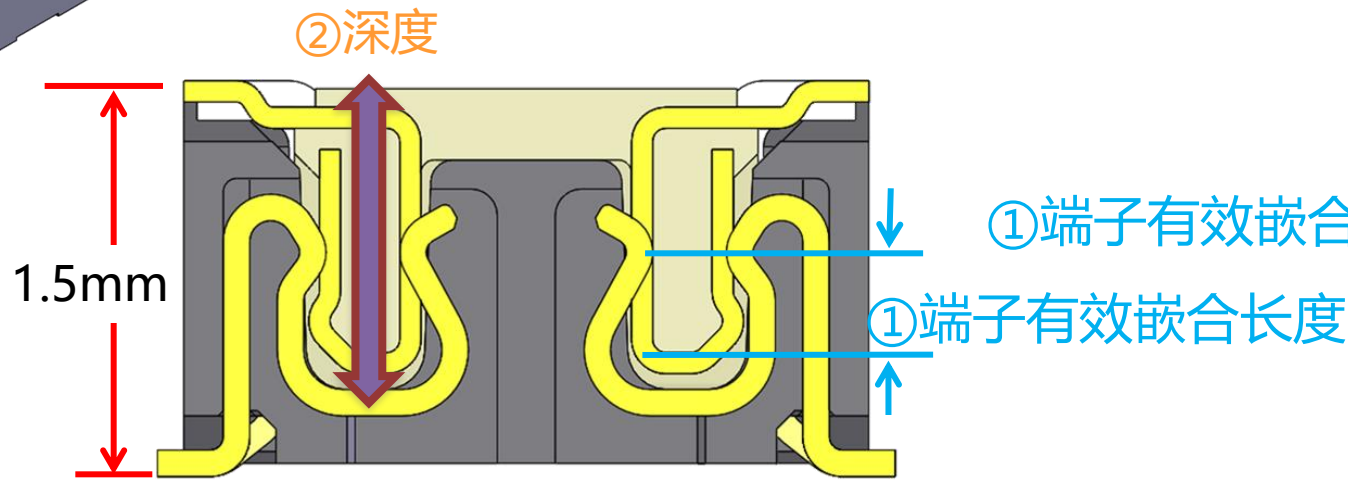
NOVASTACK 35-PH

0.35 mm 间距,嵌合高度1.5 mm
高性能板对板连接器

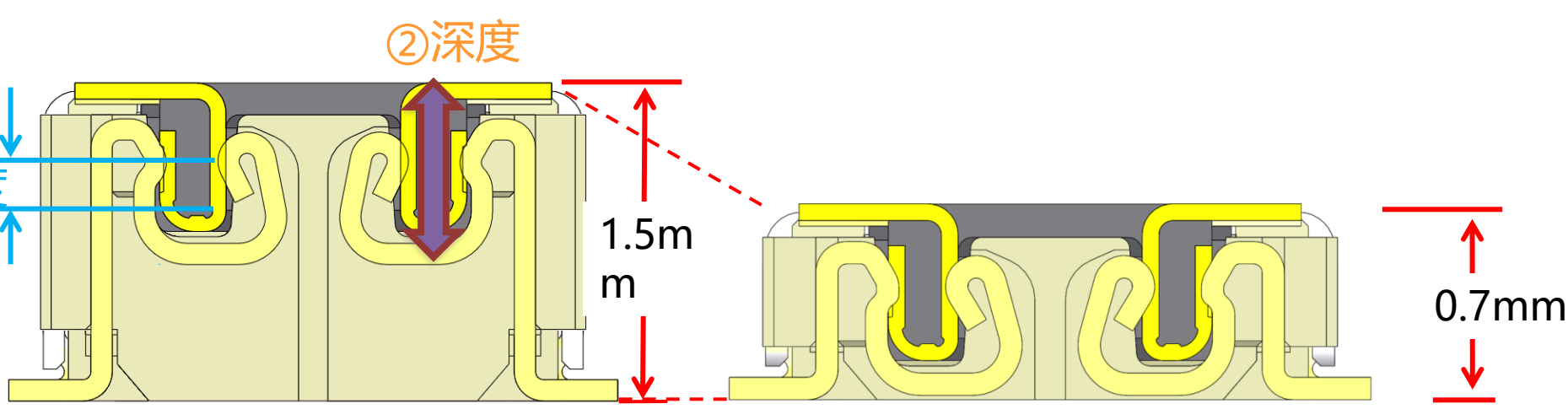
Ex：标准高度=1.5 mm, 间距 0.35 mm 板对板连接器



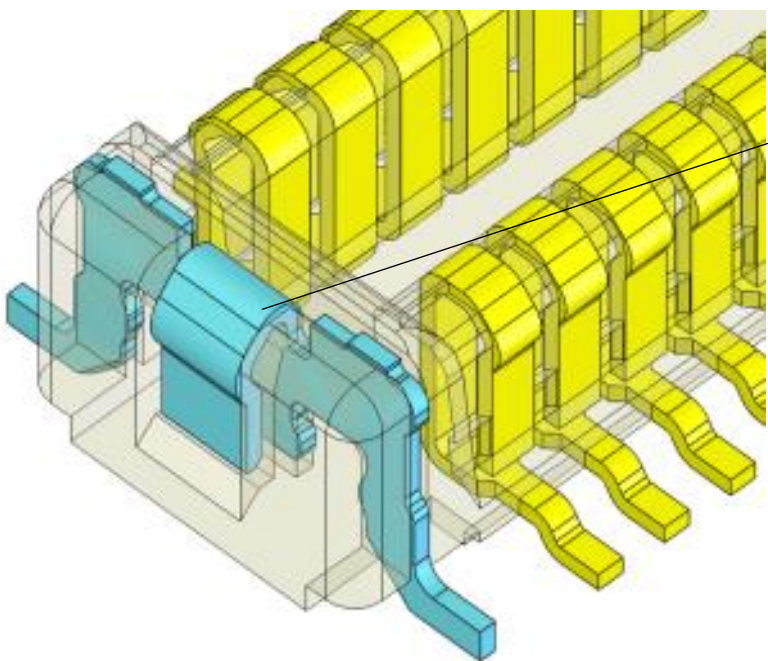
较高的嵌合高度和较长的端子有效嵌合长度提高了保持力,保证了接触的可靠性



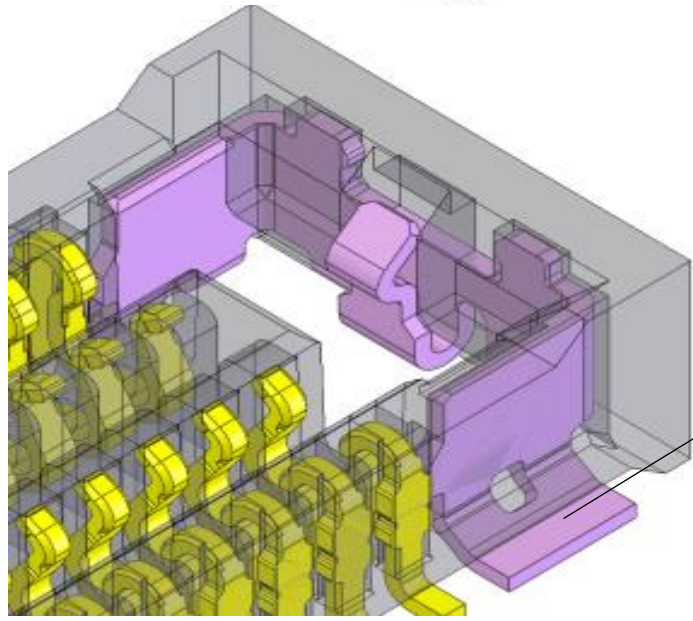
单纯的将嵌合高度为0.6-0.8 mm 的连接器进行高度提升,但是接点位置及构造没有任何变化



金属补强提升了连接器的强度，同时也能够防止插入不到位的发生

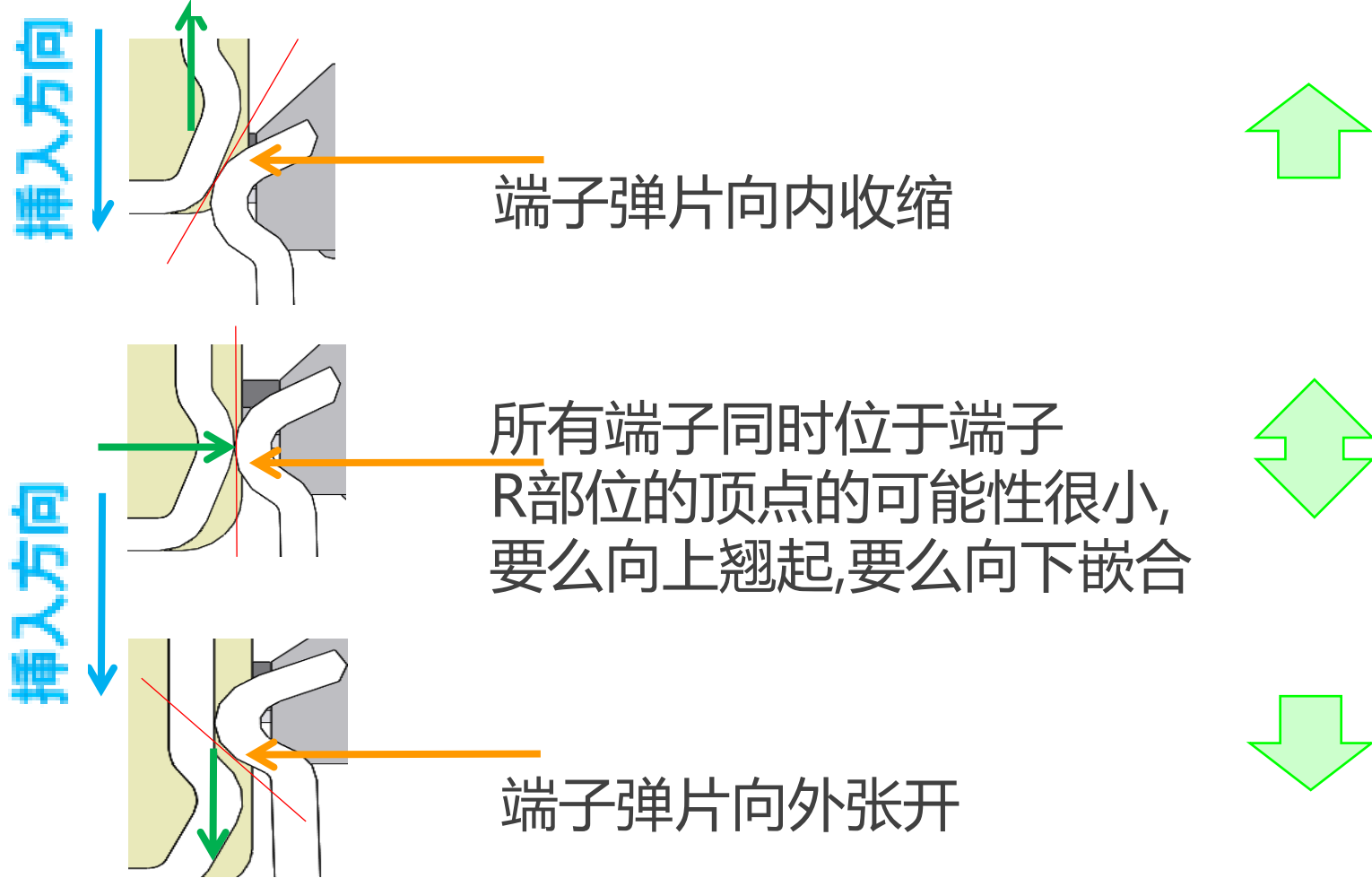
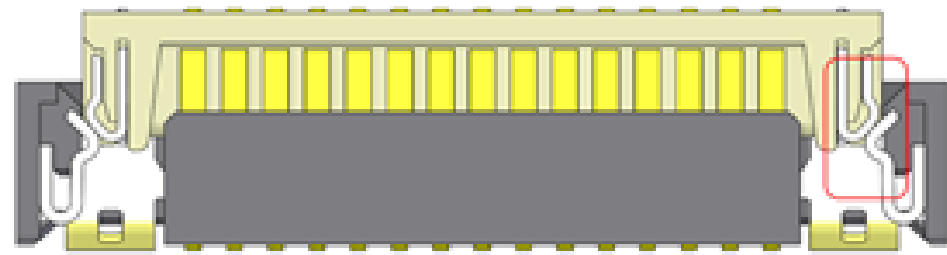


公座金属补强
(Hold down)



母座金属补强
(Hold down)

常规嵌合



0.35 mm pitch 有助于节省在板空间

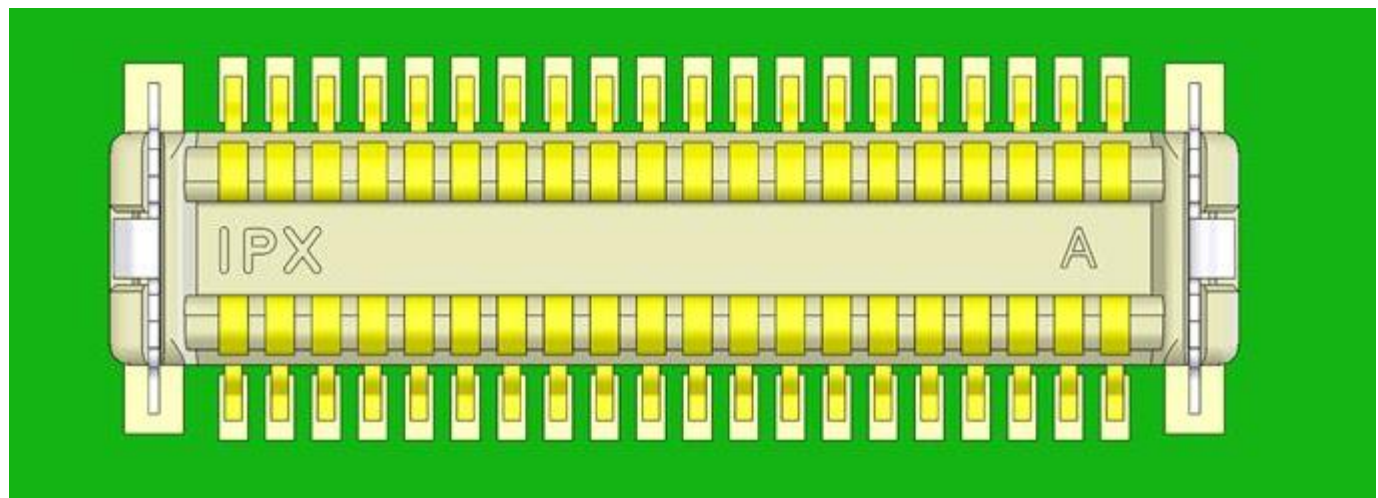
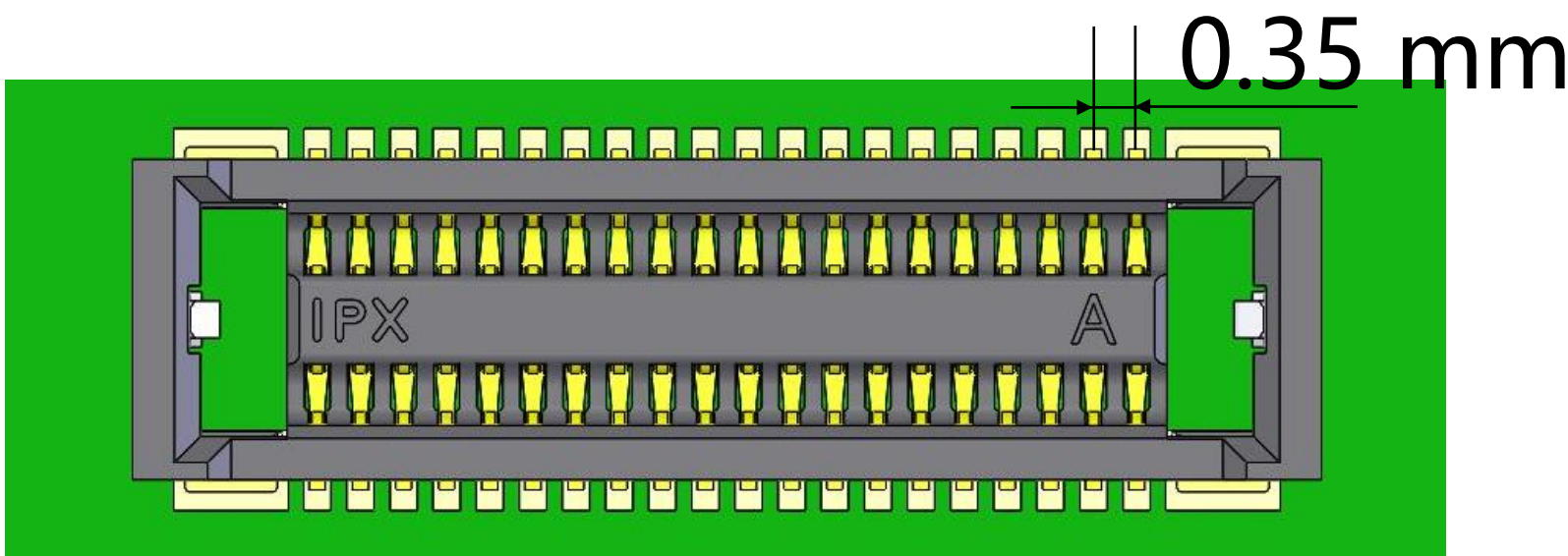
母座

Pin 数	10	30	40	50
I-PEX	4.40	7.90	9.65	11.40
同类产品	4.60	8.60	10.60	12.60
递减率	4.3%	8.1%	9.0%	10%

公座

(Unit: mm²)

Pin 数	10	30	40	50
I-PEX	3.27	6.77	8.52	10.27
同类产品	3.52	7.52	9.52	11.52
递减率	7.1%	10%	10.5%	10.9%



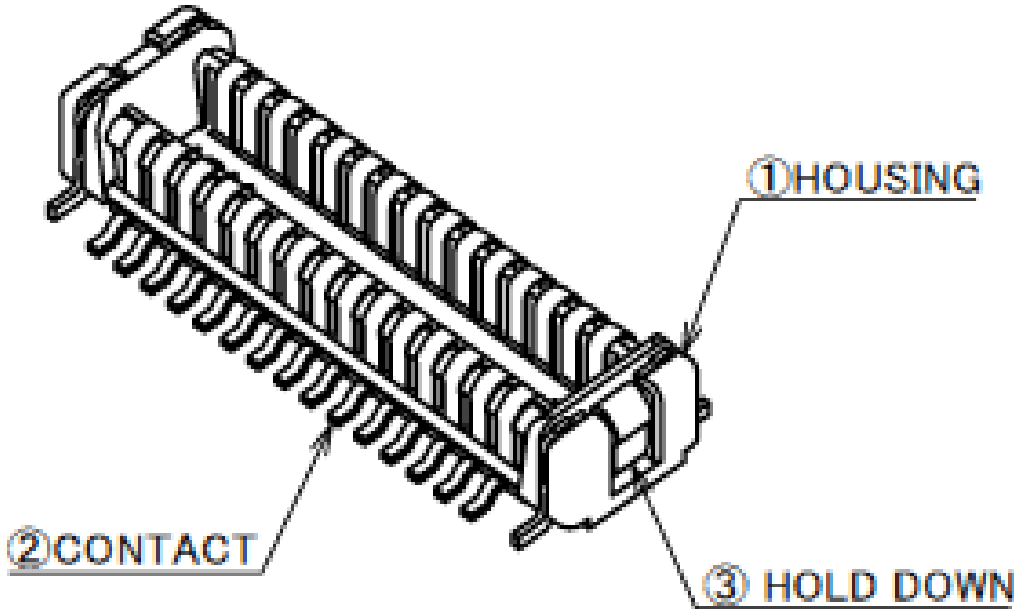
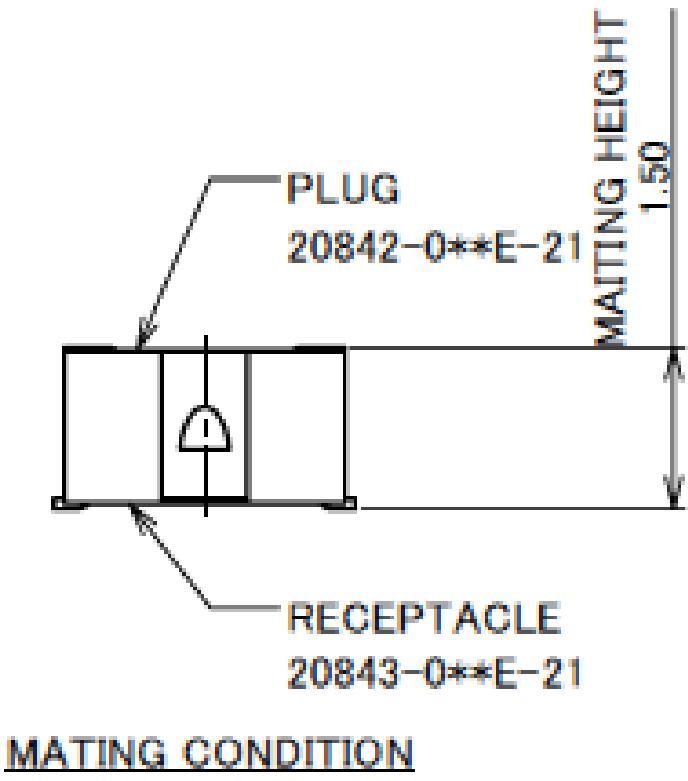
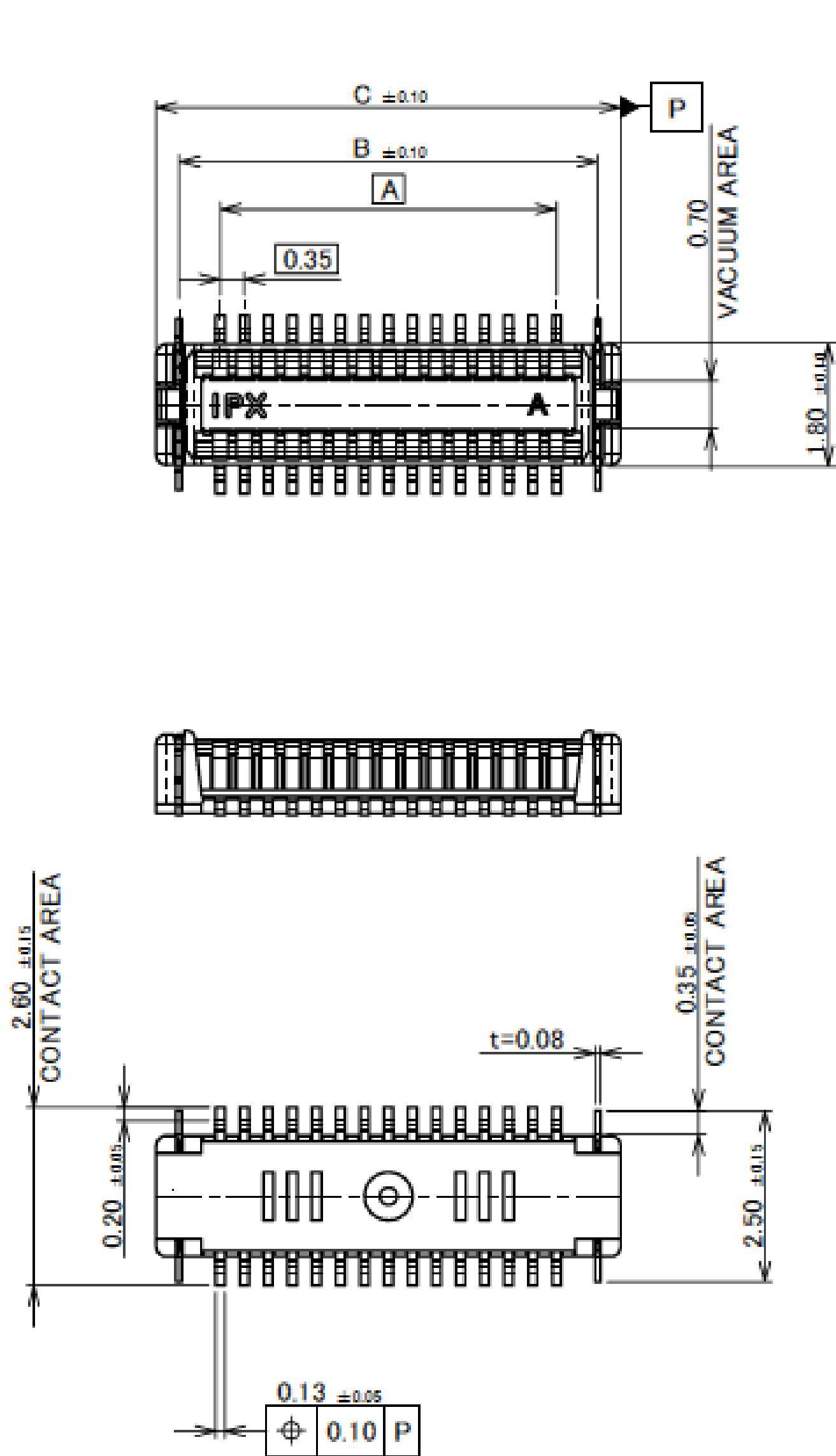
Component Parts Detail

Plug Assembly

Recommended P/N		20842-0**E-21		
PART No.	Pos	A	B	C
20842-010E-21	10	1.40	2.60	3.27
20842-030E-21	30	4.90	6.10	6.77
20842-040E-21	40	6.65	7.85	8.52
20842-050E-21	50	8.40	9.60	10.27



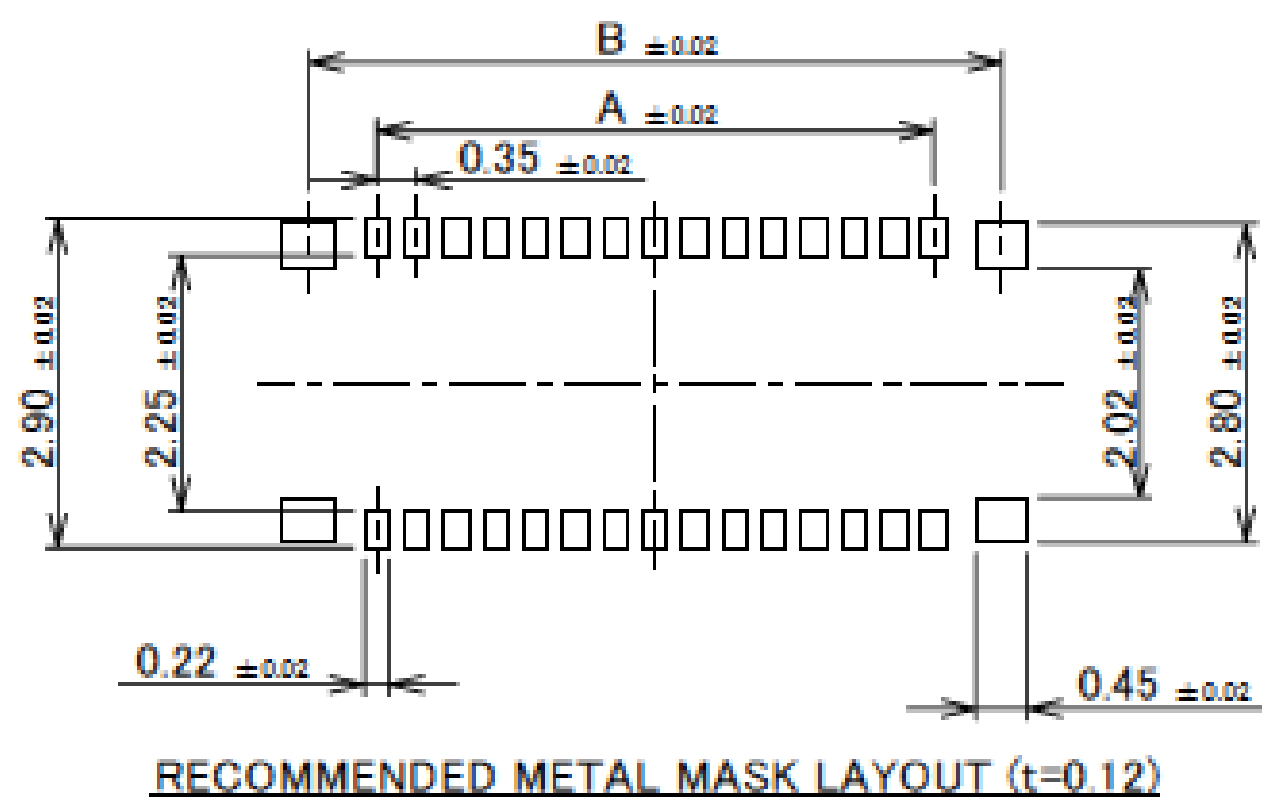
Halogen Free RoHS Compliant



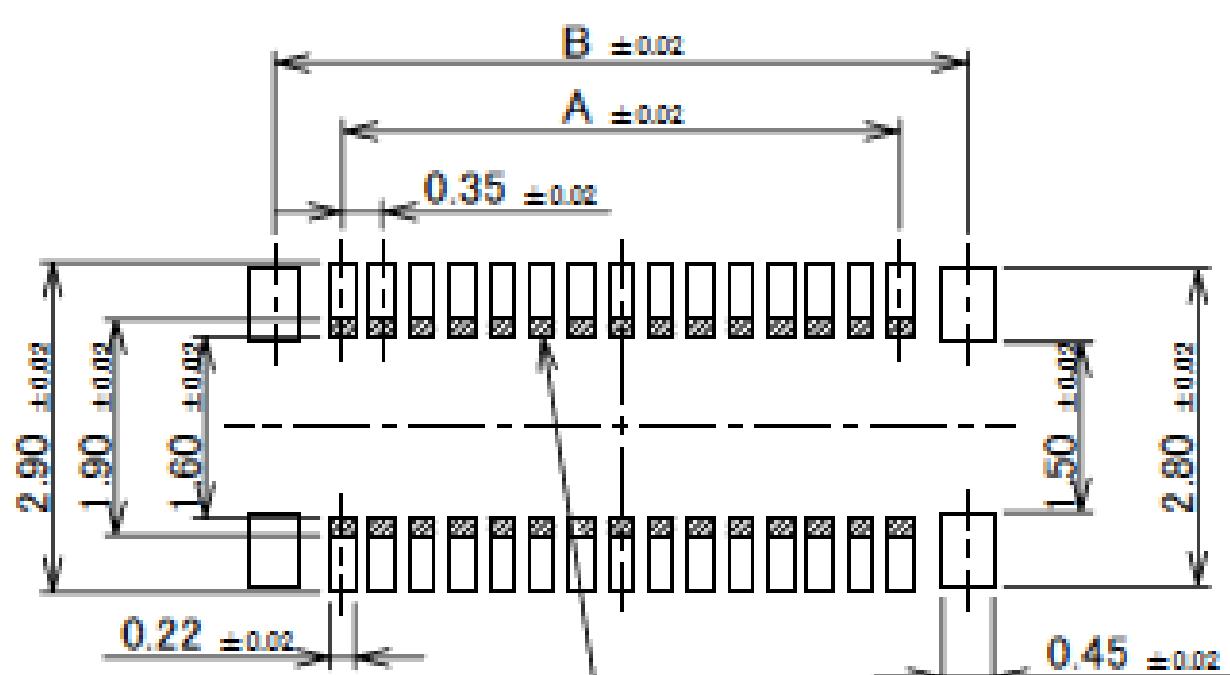
3	HOLD DOWN	CORSON ALLOY	ALL OVER Ni 1.27 μ m MIN. CONTACT PART Au 0.10 μ m MIN. SOLDERING PART Au 0.01 μ m MIN.
2	CONTACT	CORSON ALLOY	ALL OVER Ni 1.27 μ m MIN. CONTACT PART Au 0.10 μ m MIN. SOLDERING PART Au 0.01 μ m MIN.
1	HOUSING	LCP	UL94V-0, BEIGE
NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS

Plug Assembly

PART No.	Pos	A	B	D
20842-010E-21	10	1.40	2.60	4.60
20842-030E-21	30	4.90	6.10	8.10
20842-040E-21	40	6.65	7.85	9.85
20842-050E-21	50	8.40	9.60	11.60

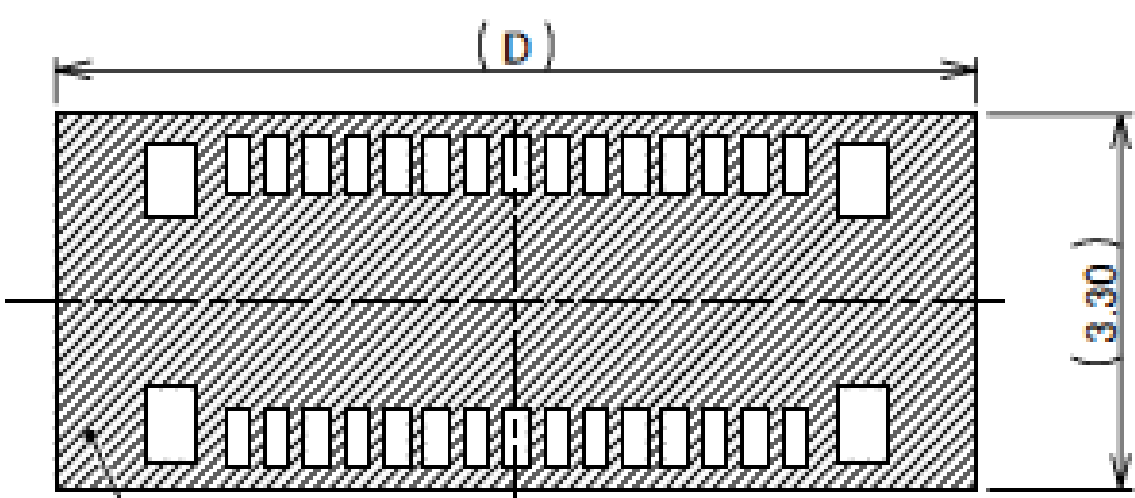


RECOMMENDED METAL MASK LAYOUT (t=0.12)

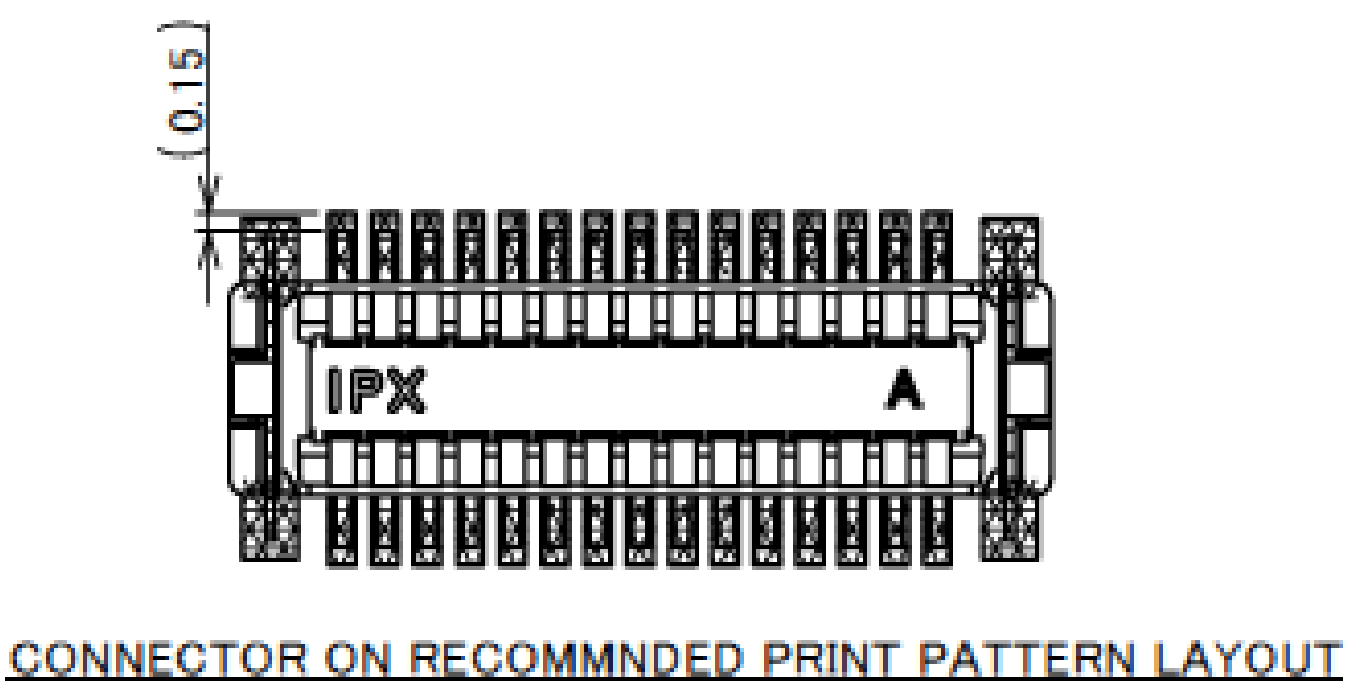


INSULATING AREA
(ONLY THE SAME SIGNAL CAN BE ARRANGE IN PATTERN)

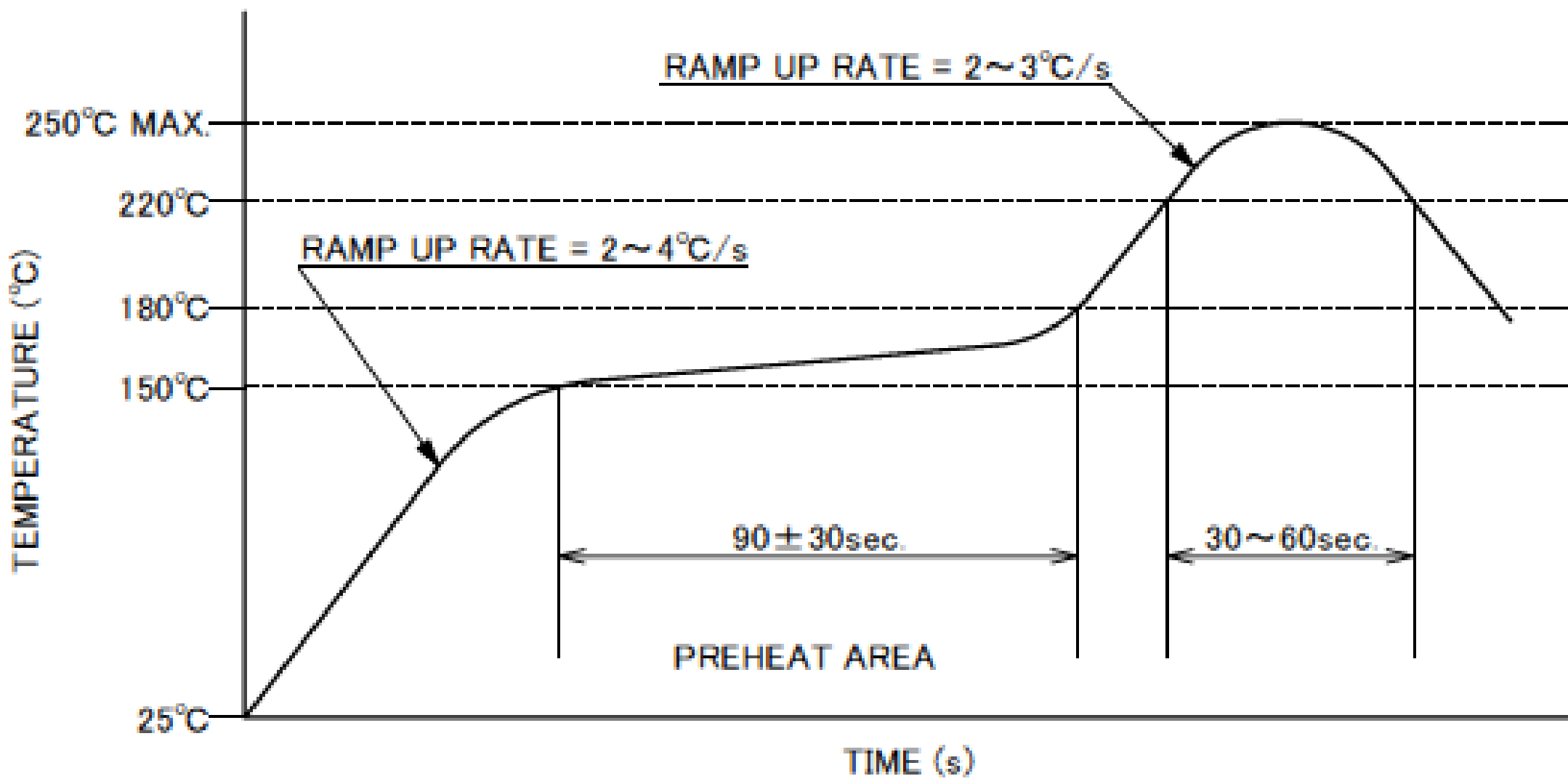
RECOMMENDED PAD LAYOUT
AND RESIST OR COVER LAY AREA



DO NOT MOUNT ANY OHTER COMPONENTS IN THIS AREA



CONNECTOR ON RECOMMENDED PRINT PATTERN LAYOUT



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

Rev.6

Rev.6

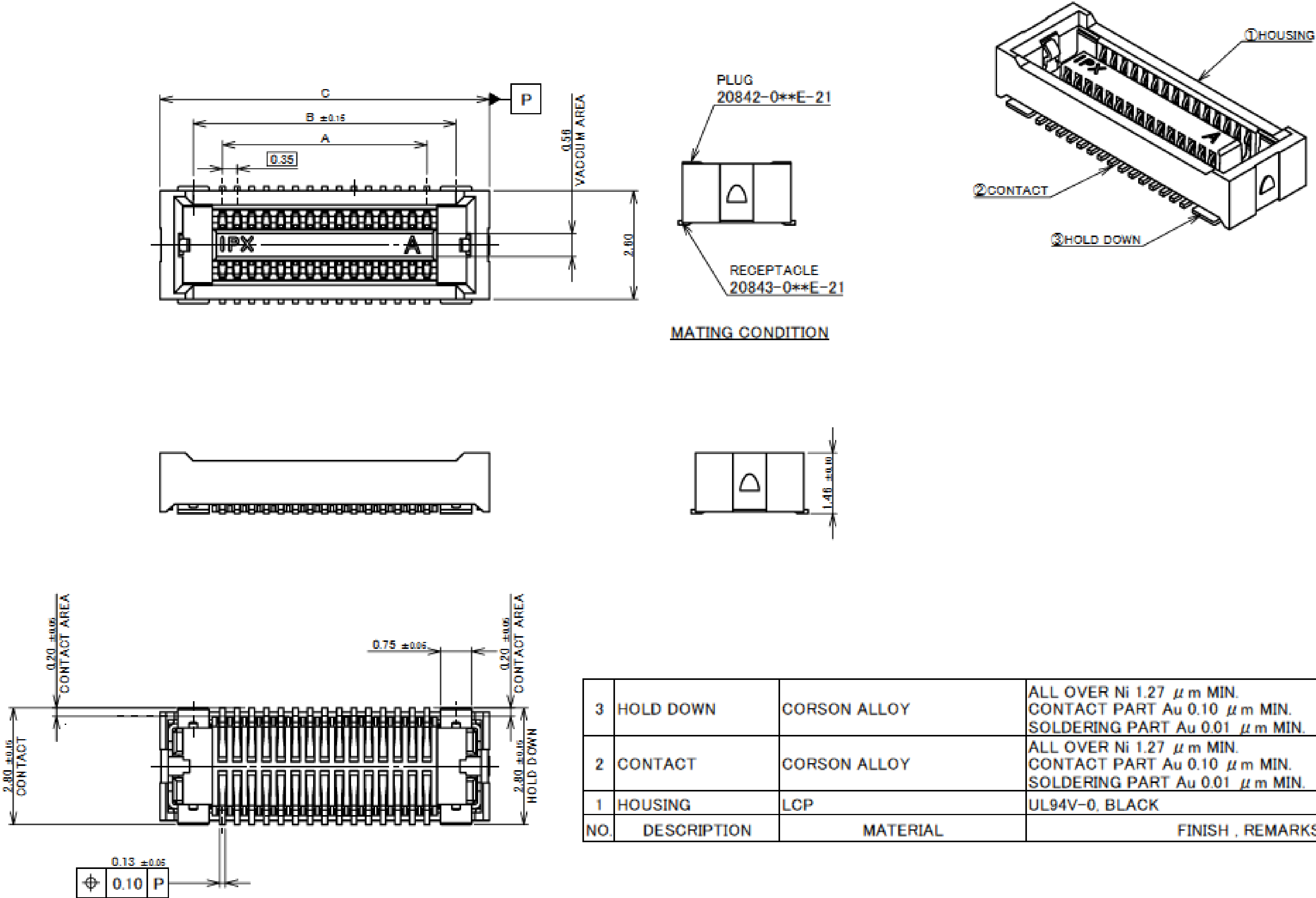
Plug Assembly

ITEMS	SPECIFICATION
APPLICABLE CONNECTOR PART No.	20843-0**E-21
RATING VOLTAGE	50V AC (r.m.s)/DC (PER CONTACT PIN)
RATING AMPERAGE (FOR SIGNAL CONTACT)	0.3A MAX. AC/DC (PER CONTACT PIN) 40P AND OVER : 12.0A MAX. AC/DC(TOTAL)
RATING AMPERAGE (FOR POWER CONTACT)	3.0A MAX. AC/DC (PER CONTACT PIN)/ 6.0A MAX. AC/DC (TOTAL)
OPERATING TEMPERATURE	233~358K(-40℃~+85℃)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE (FOR SIGNAL CONTACT)	INITIAL : 80mohm MAX. / AFTER TEST : $\triangle$ 20mohm MAX.
CONTACT RESISTANCE (FOR POWER CONTACT)	INITIAL : 80mohm MAX. / AFTER TEST : $\triangle$ 20mohm MAX.
INSULATION RESISTANCE	INITIAL : 1,000Mohm MIN. / AFTER TEST : 500Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC200V 1min
DURABILITY	30 CYCLES
MATING FORCE (INITIAL)	1.0N/PIN MAX.
UNMATING FORCE (AFTER TEST)	0.15N/PIN MIN.
COPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-2463
TEST REPORT	TR-18014
PACKING STANDARD	PST-17082
INSTRUCTION MANUAL	HIM-18017
APPEARANCE CRITERIA No.	QLS-A***

Rev.6

Receptacle Assembly

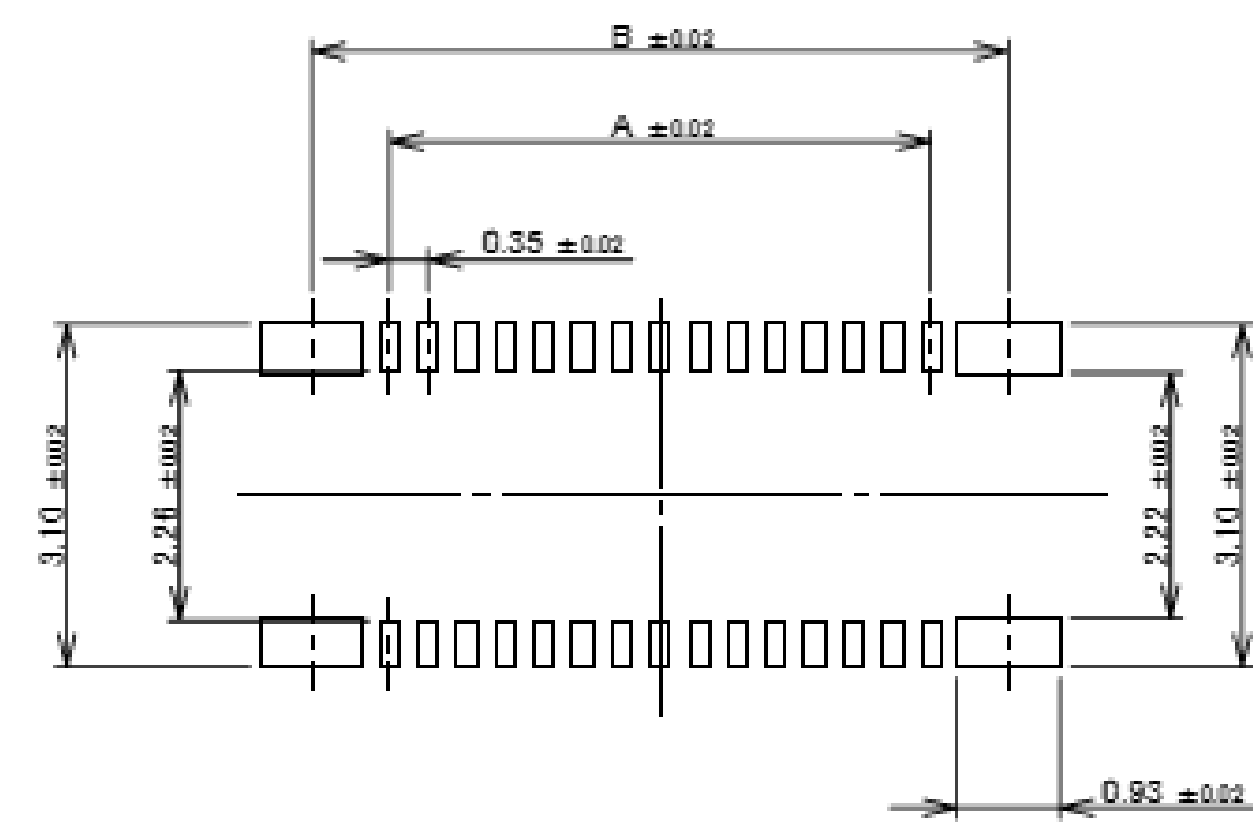
Recommended P/N		20843-0**E-21			
PART No.	Pos	A	B	C	
20843-010E-21	10	1.40	2.80	4.40	
20843-030E-21	30	4.90	6.30	7.90	
20843-040E-21	40	6.65	8.05	9.65	
20843-050E-21	50	8.40	9.80	11.40	



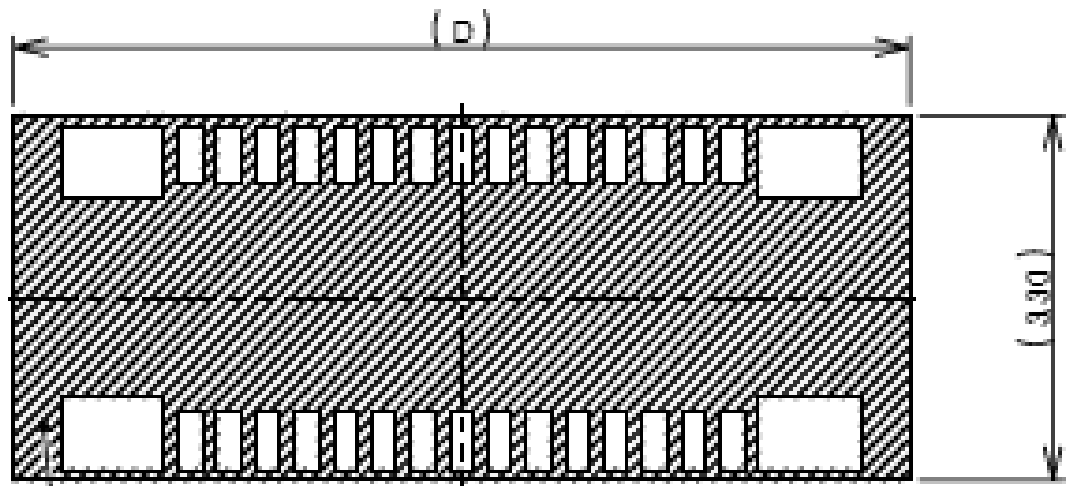
Rev.5

Receptacle Assembly

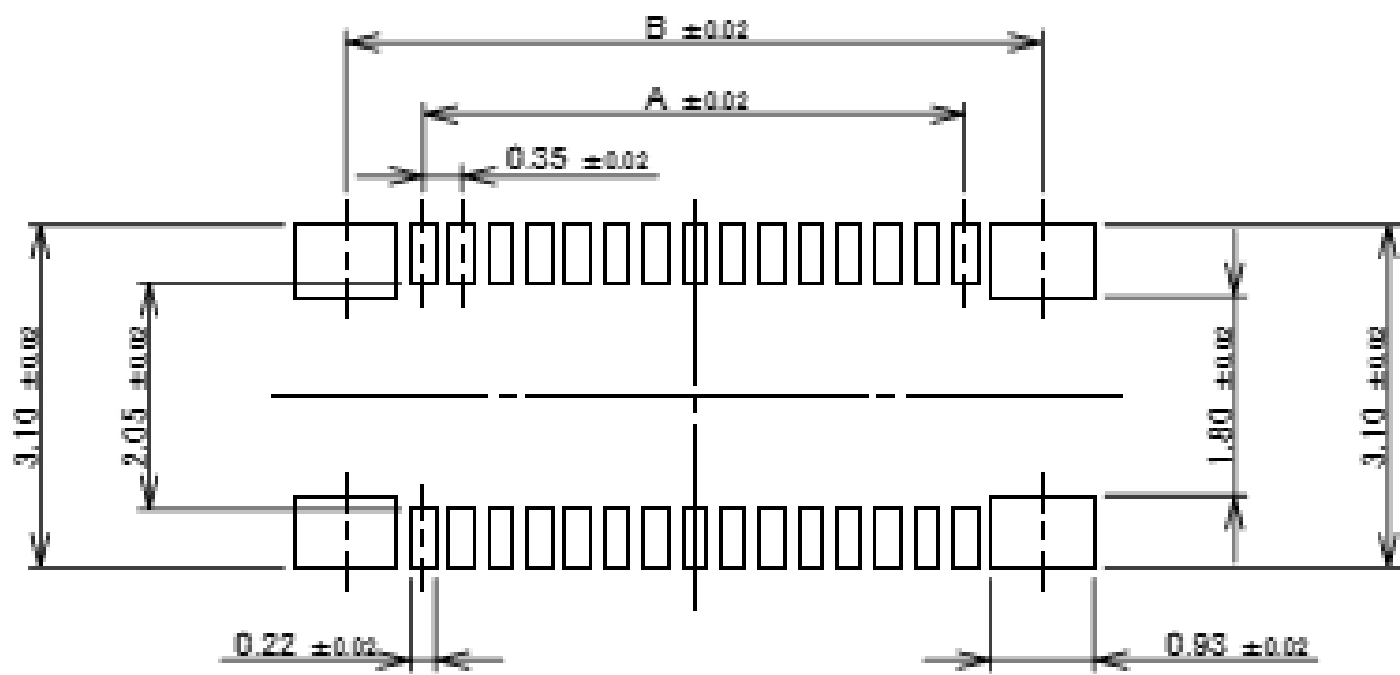
PART No.	Pos	A	B	D
20843-010E-21	10	1.40	2.80	4.60
20843-030E-21	30	4.90	6.30	8.10
20843-040E-21	40	6.65	8.05	9.85
20843-050E-21	50	8.40	9.80	11.60



RECOMMENDED METAL MASK LAYOUT (t=0.12)

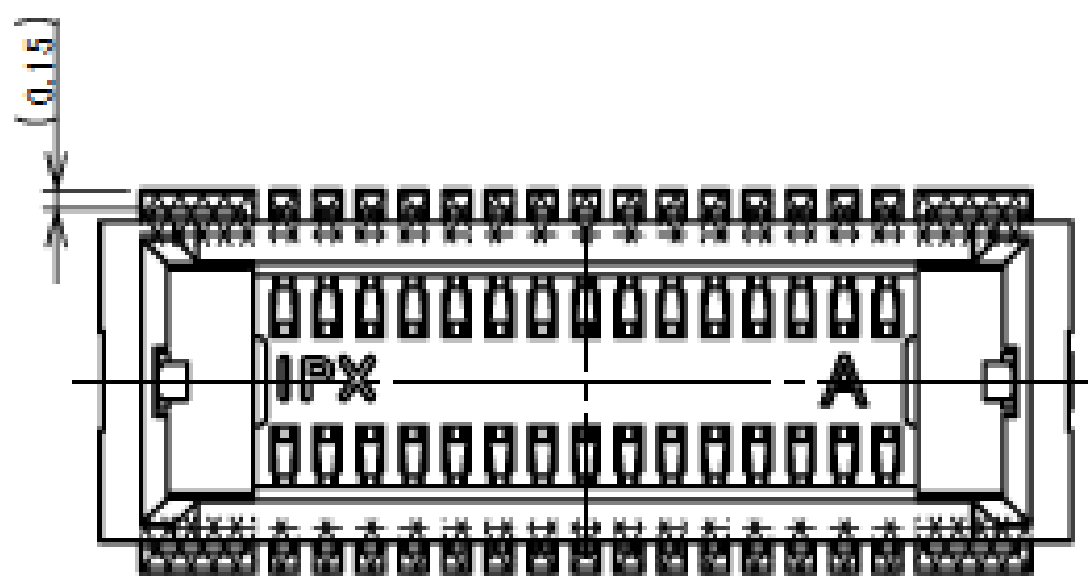


DO NOT MOUNT ANY OHTER COMPONENTS IN THIS AREA

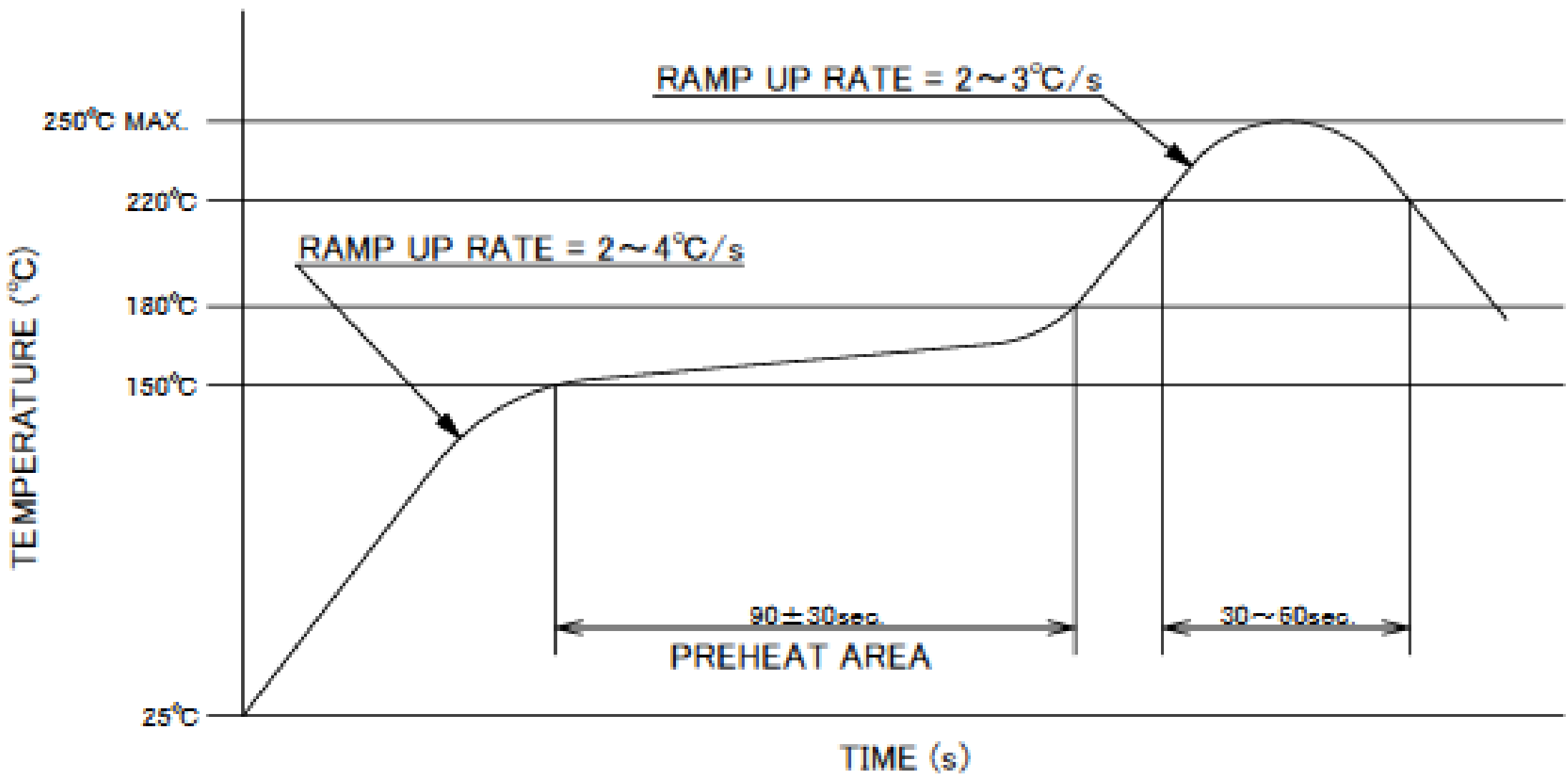


RECOMMENDED PAD LAYOUT

Rev.5



CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN LAYOUT



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

Rev.5

Receptacle Assembly

ITEMS	SPECIFICATION
APPLICABLE CONNECTOR PART No.	20842-0**E-21
RATING VOLTAGE	50V AC (r.m.s)/DC (PER CONTACT PIN)
RATING AMPERAGE (FOR SIGNAL CONTACT)	0.3A MAX. AC/DC (PER CONTACT PIN) 40P AND OVER : 12.0A AC/DC MAX.(TOTAL)
RATING AMPERAGE (FOR POWER CONTACT)	3.0A MAX. AC/DC (PER CONTACT PIN)/ 6.0A MAX. AC/DC (TOTAL)
OPERATING TEMPERATURE	233~358K(-40°C~+85°C)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE (FOR SIGNAL CONTACT)	INITIAL : 80mohm MAX. / AFTER TEST : $\triangle$ 20mohm MAX.
CONTACT RESISTANCE (FOR POWER CONTACT)	INITIAL : 80mohm MAX. / AFTER TEST : $\triangle$ 20mohm MAX.
INSULATION RESISTANCE	INITIAL : 1,000Mohm MIN. / AFTER TEST : 500Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC200V 1min
DURABILITY	30 CYCLES
MATING FORCE (INITIAL)	1.0N/PIN MAX.
UNMATING FORCE (AFTER TEST)	ALL PIN COUNT: 0.15N/PIN MIN.
COPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-2463
TEST REPORT	TR-18014
PACKING STANDARD	PST-17083
INSTRUCTION MANUAL	HIM-18017
APPEARANCE CRITERIA No.	QLS-A***

Rev.5

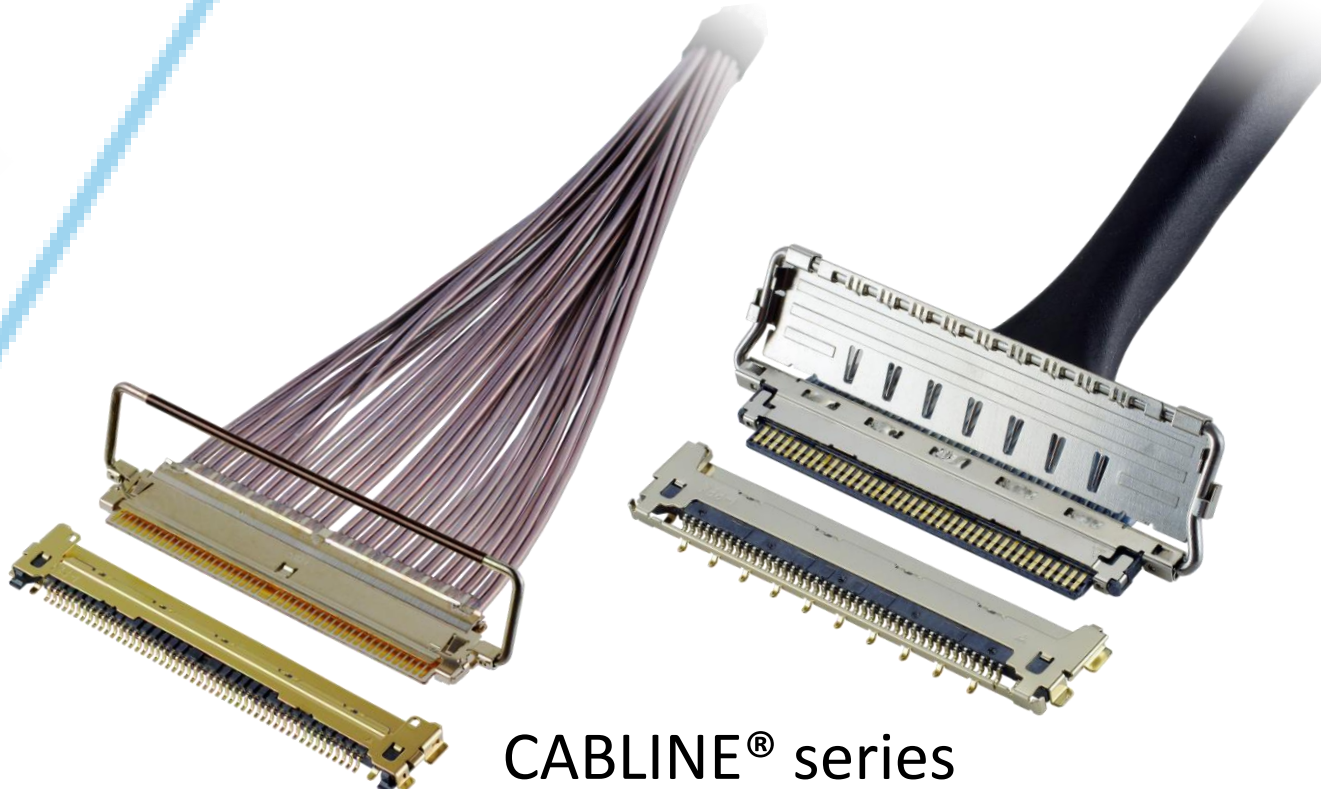
Custom Connectors Available

 RF
Connectors

MHF® series



CABLINE® series



Micro-coaxial/Twinax
Connectors

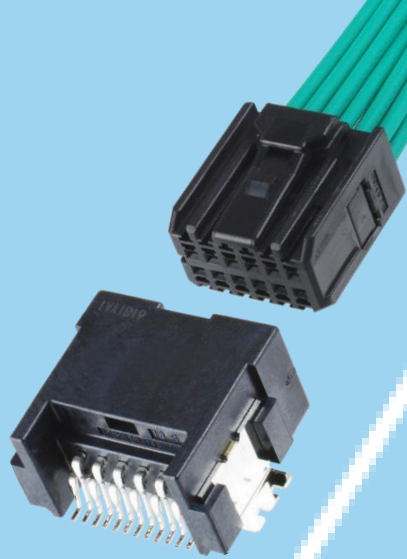


Wire-to-Board
Connectors/
Terminals

AP series



ISH® series



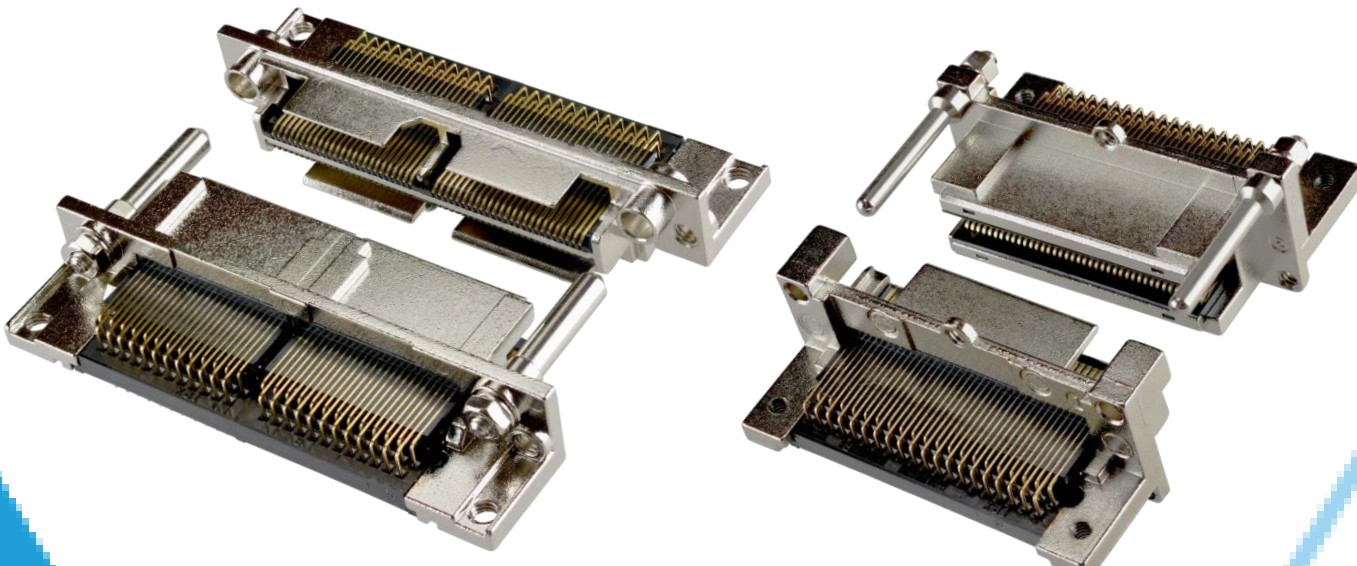
NOVASTACK® series



Board-to-Board
Connectors



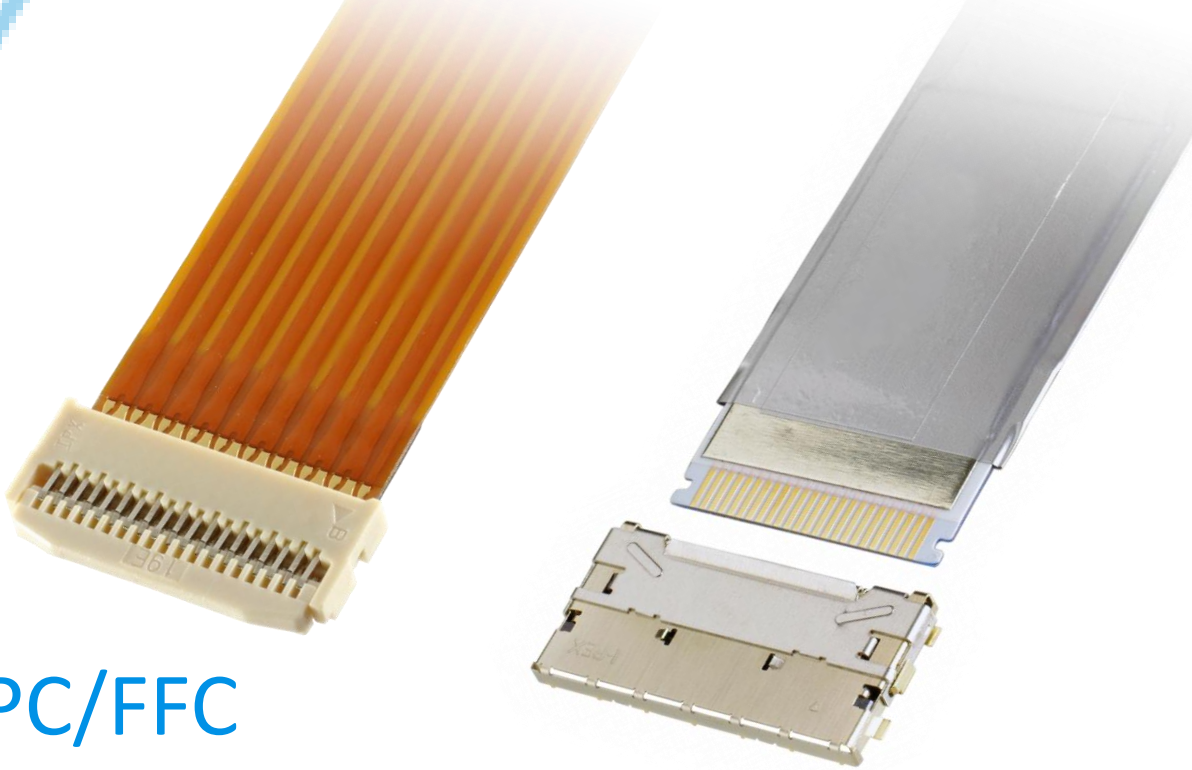
I/O
Connectors



MINIDOCK™ series

MINIFLEX® series

EVAFLEX® series



FPC/FFC
Connectors



Inquiry



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