

NOVASTACK® 35-PH

嵌合高さ 1.5 mm、有効嵌合長が長い高背デザイン、電源端子付き、0.35 mm ピッチ、垂直嵌合

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

*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。



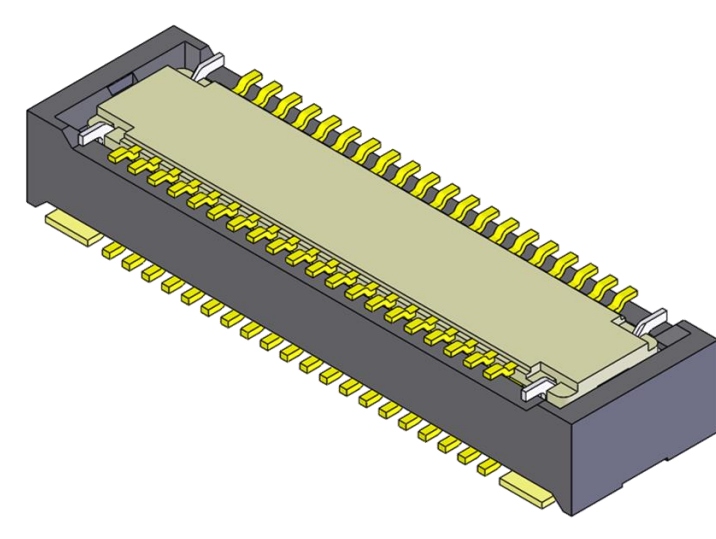
▶ 嵌合高さ 1.5 mm 専用設計により高い保持力と明瞭なクリック感を実現

NOVASTACK 35-PH

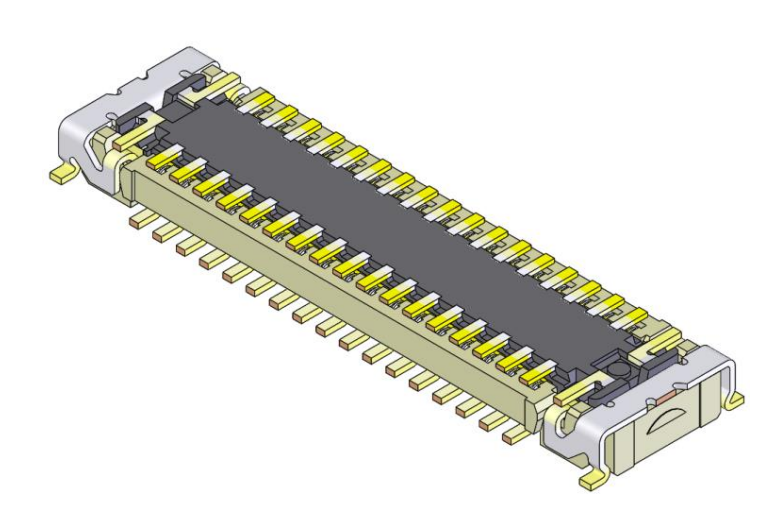
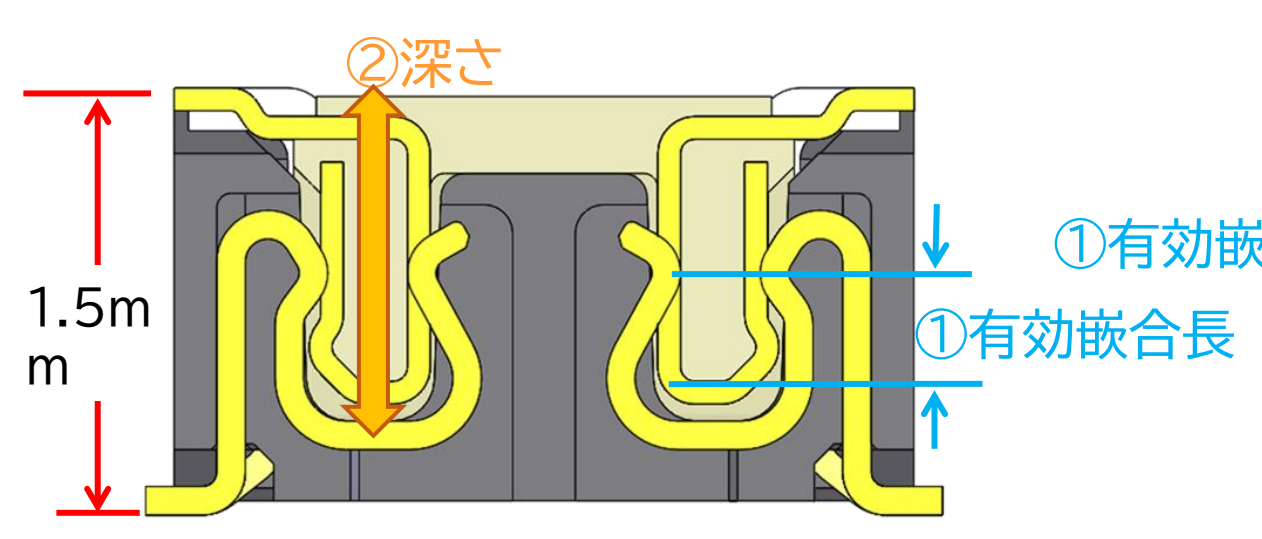
0.35mmピッチ, 高さ1.5mm

高性能デザイン基板対基板コネクタ

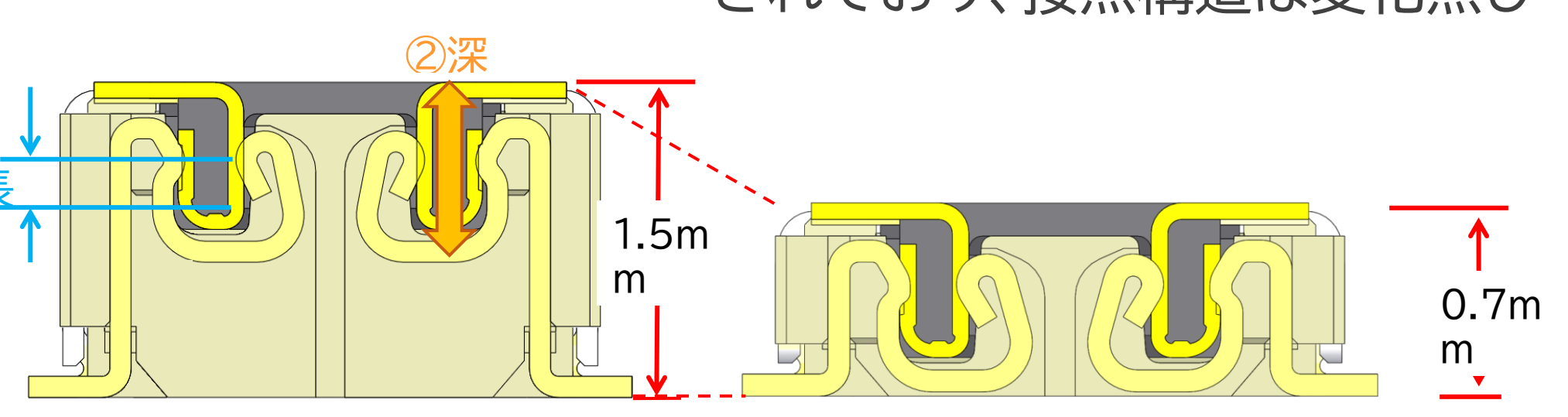
例: 一般的な高さ=1.5mm 0.35mmピッチ 基板対基板コネクタ



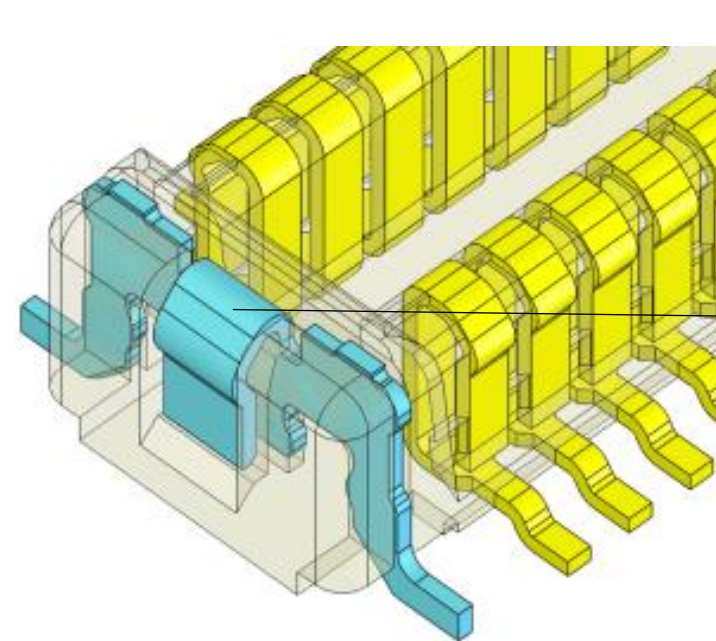
- ①有効嵌合が長く取れる
- ②深く嵌合される為、嵌合の傾きに対して強くなる



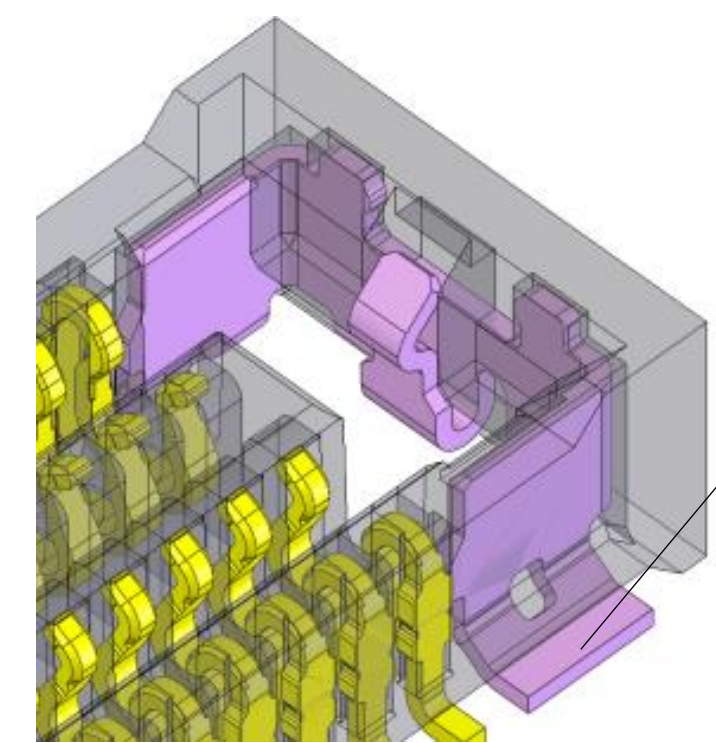
0.7mm高さの製品をベースに設計されており、接点構造は変化無し



▶ メタルホールドダウンによる強度アップと半嵌合を防止

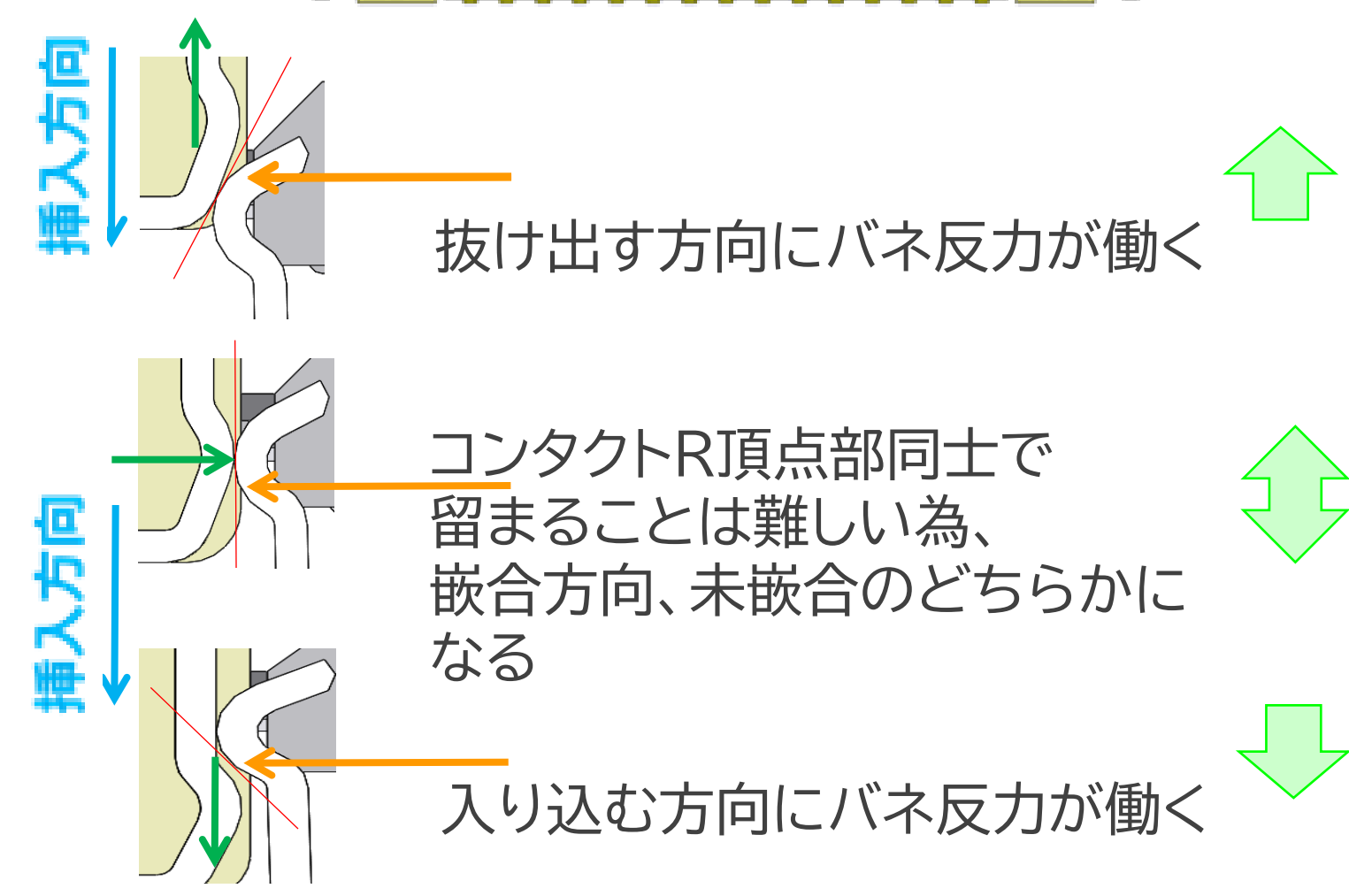


プラグ 金属補強
(ホールドダウン)



レセプタクル
金属補強
(ホールドダウン)

通常嵌合



▶ コネクタ底部の配線スペース確保と嵌合状態を目視確認可能

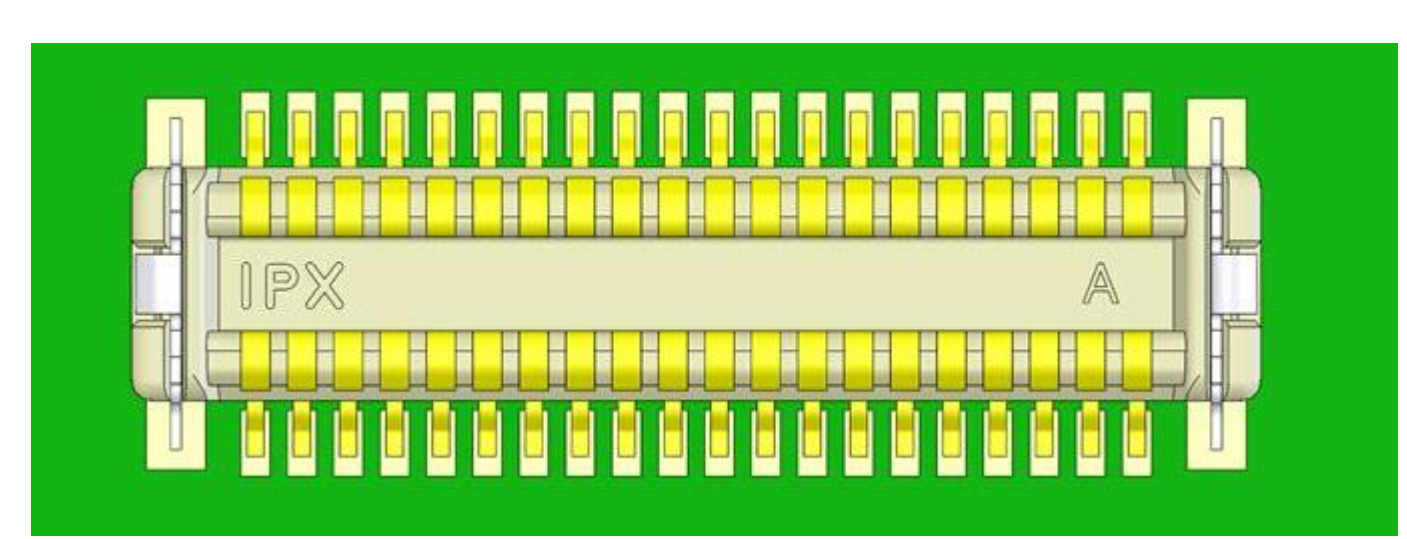
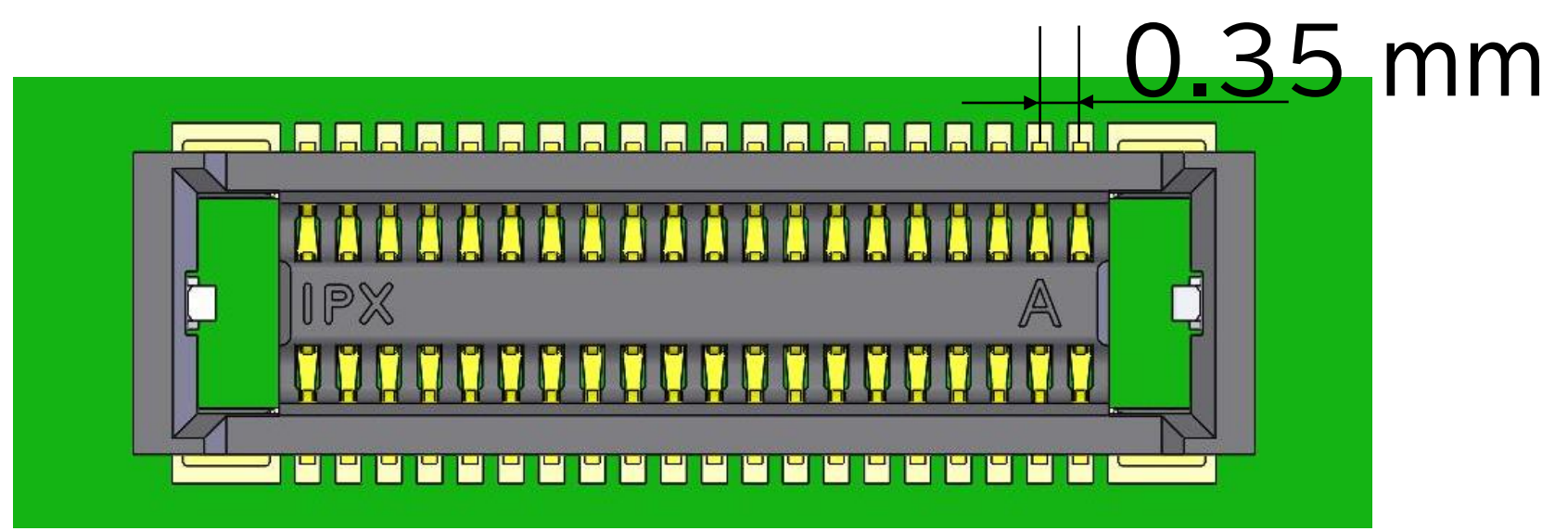
レセプタクル

プラグ

(Unit: mm²)

極数	10	30	40	50
I-PEX	4.40	7.90	9.65	11.40
競合製品	4.60	8.60	10.60	12.60
Decreasing Rate	4.3%	8.1%	9.0%	10%

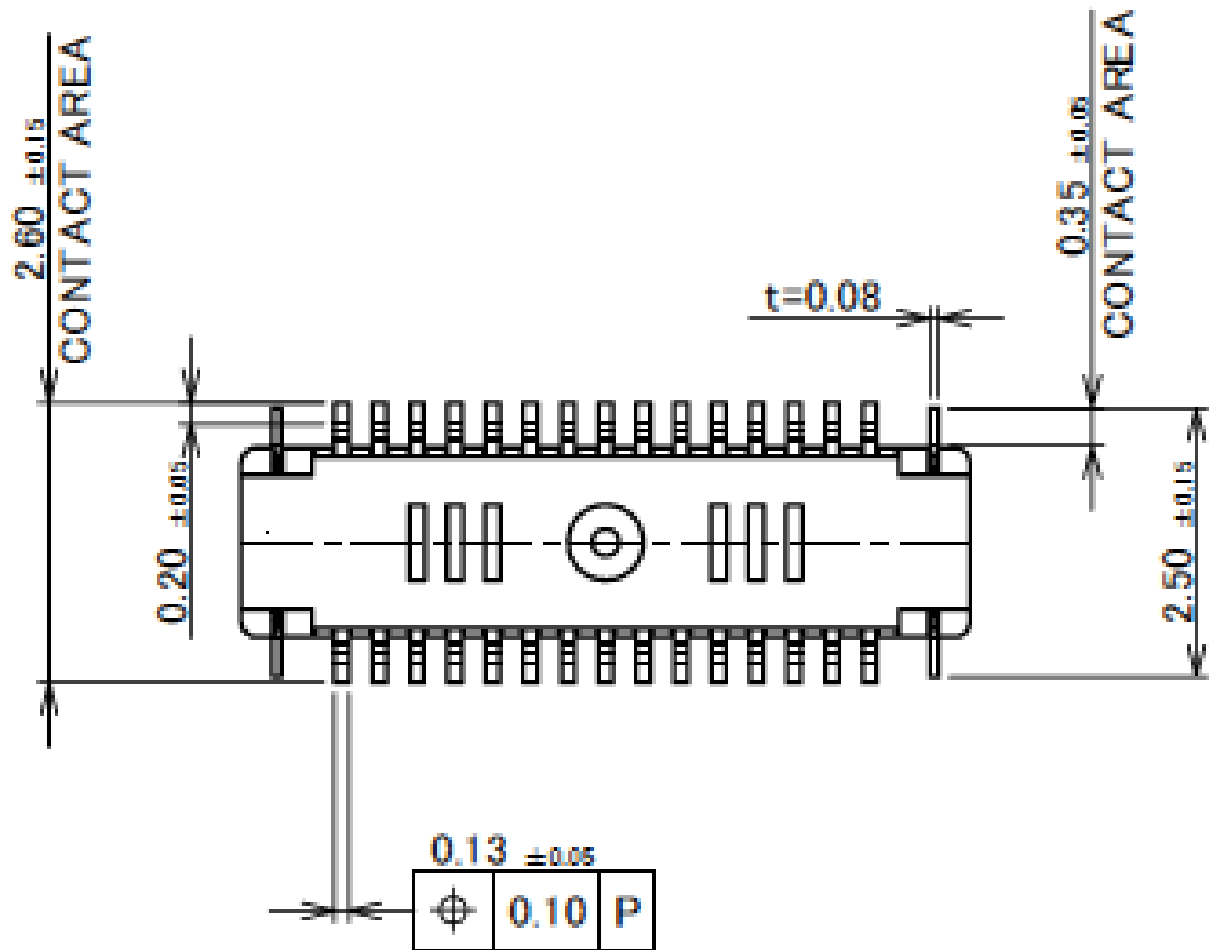
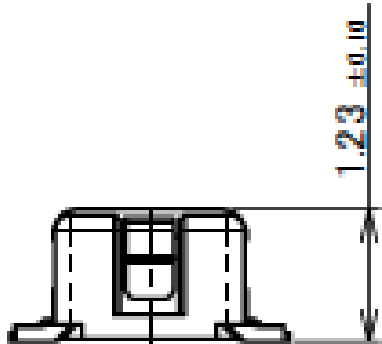
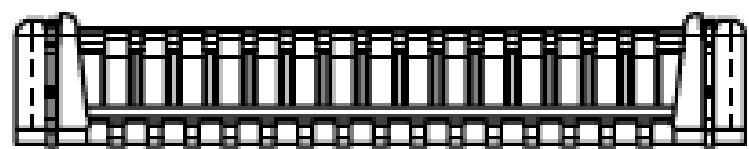
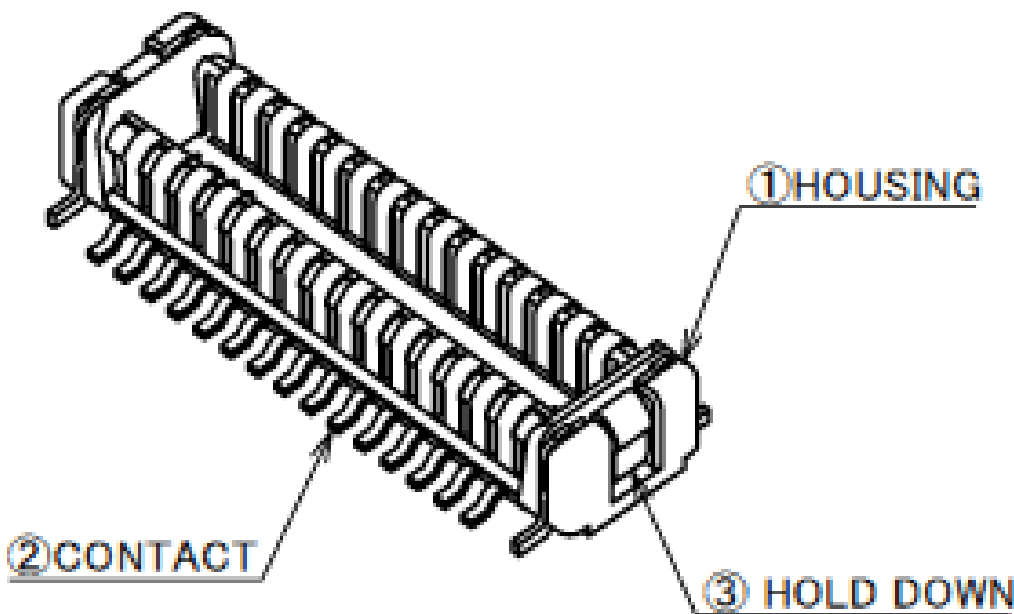
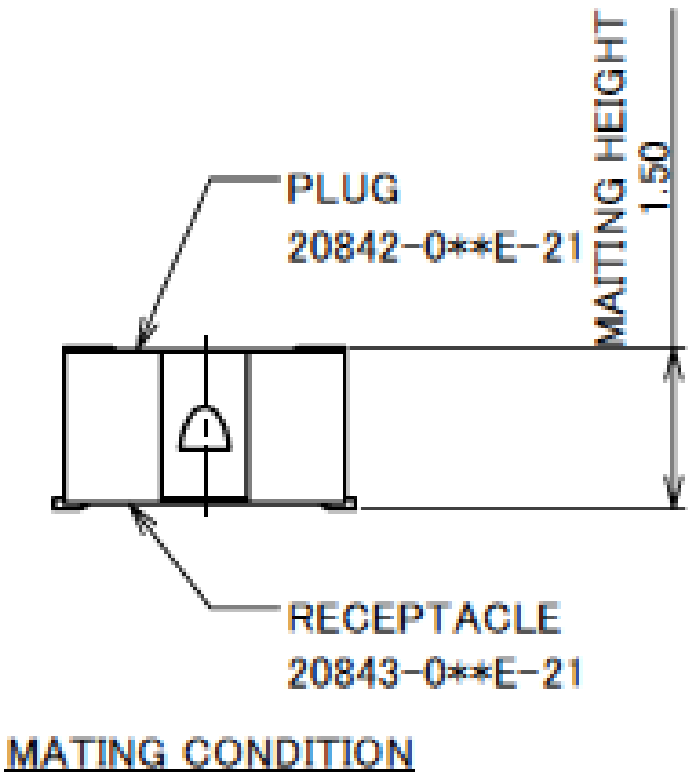
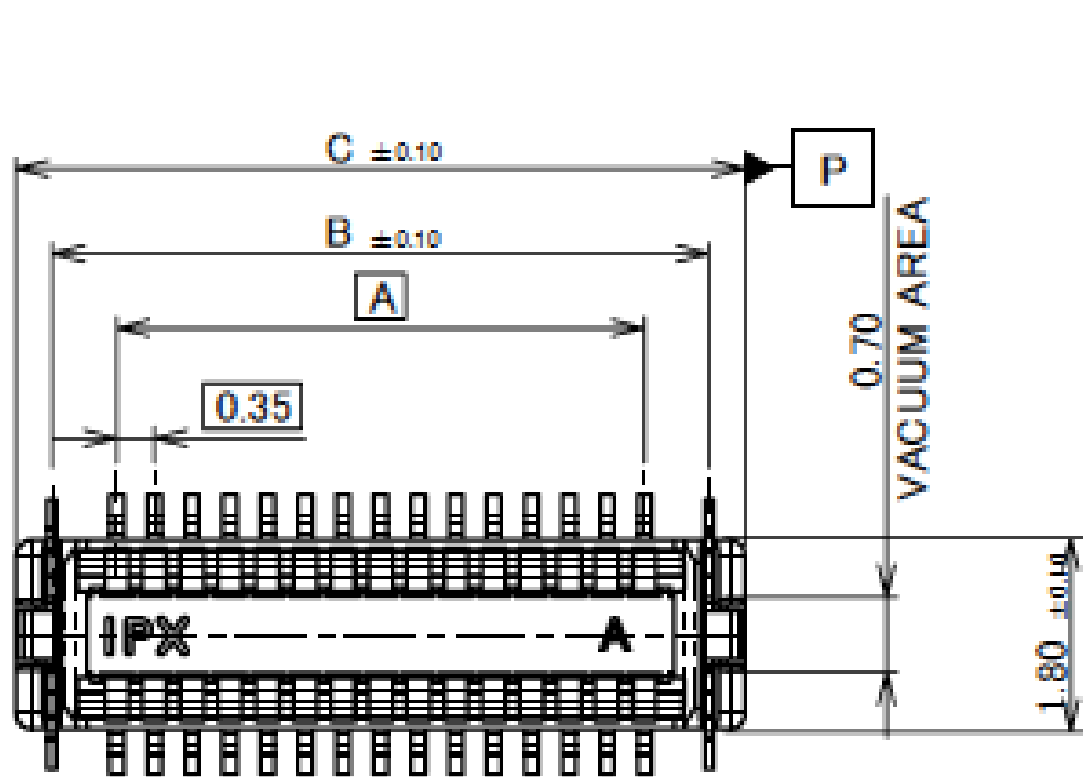
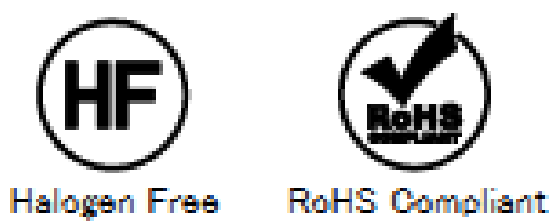
極数	10	30	40	50
I-PEX	3.27	6.77	8.52	10.27
競合製品	3.52	7.52	9.52	11.52
Decreasing Rate	7.1%	10%	10.5%	10.9%



Component Parts Detail

Plug Assembly

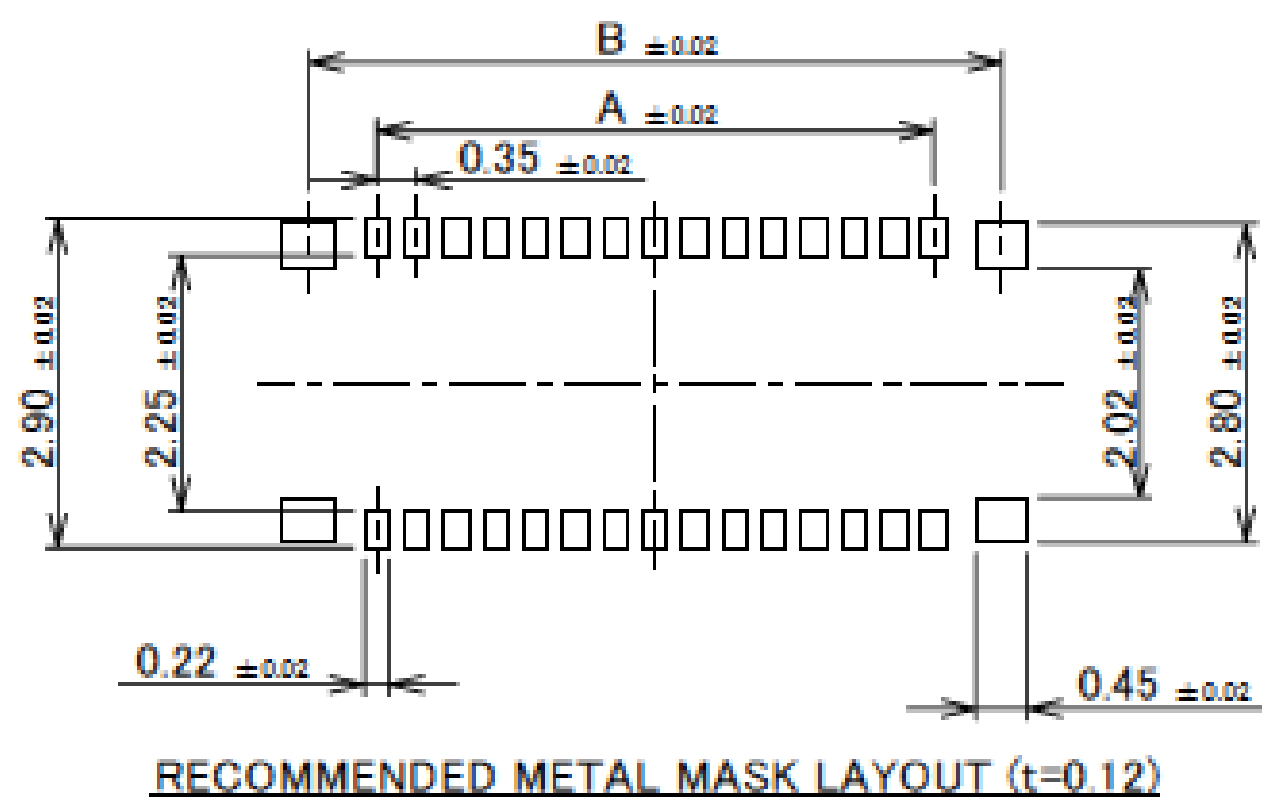
Recommended P/N		20842-0**E-21		
PART No.	Pos	A	B	C
20842-010E-21	10	1.40	2.60	3.27
20842-030E-21	30	4.90	6.10	6.77
20842-040E-21	40	6.65	7.85	8.52
20842-050E-21	50	8.40	9.60	10.27



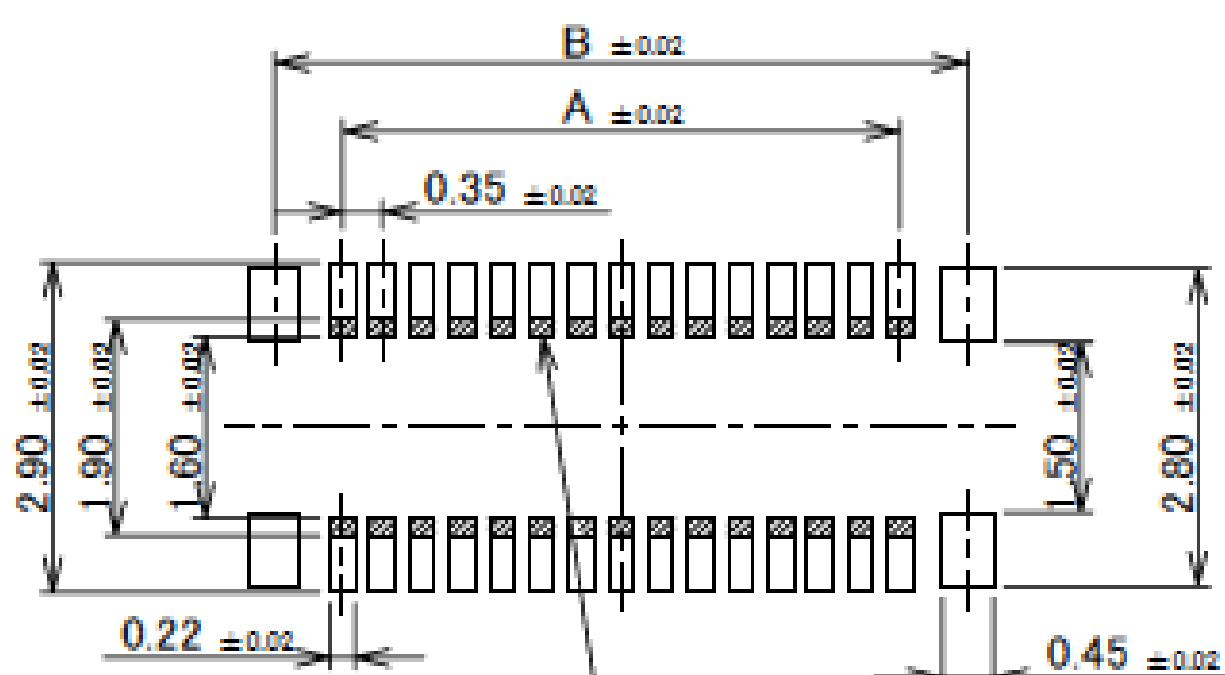
3	HOLD DOWN	CORSON ALLOY	ALL OVER Ni 1.27 μ m MIN. CONTACT PART Au 0.10 μ m MIN. SOLDERING PART Au 0.01 μ m MIN.
2	CONTACT	CORSON ALLOY	ALL OVER Ni 1.27 μ m MIN. CONTACT PART Au 0.10 μ m MIN. SOLDERING PART Au 0.01 μ m MIN.
1	HOUSING	LCP	UL94V-0, BEIGE
NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS

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

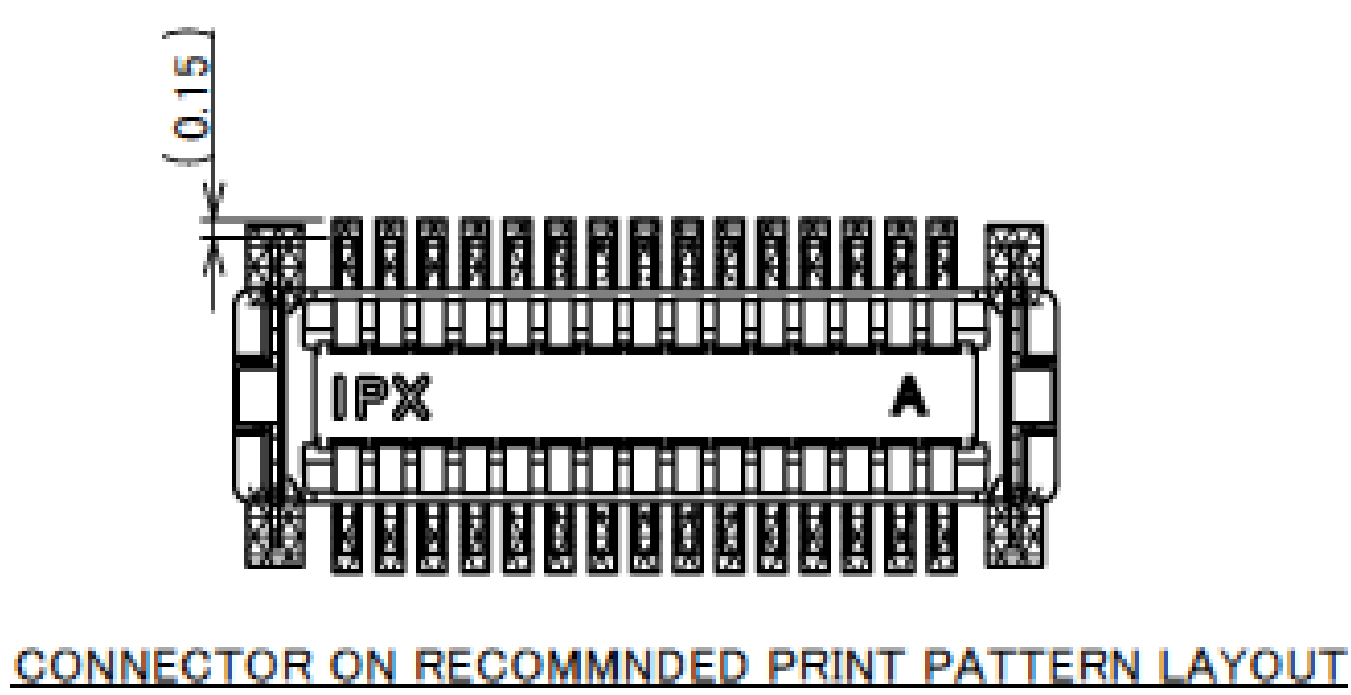
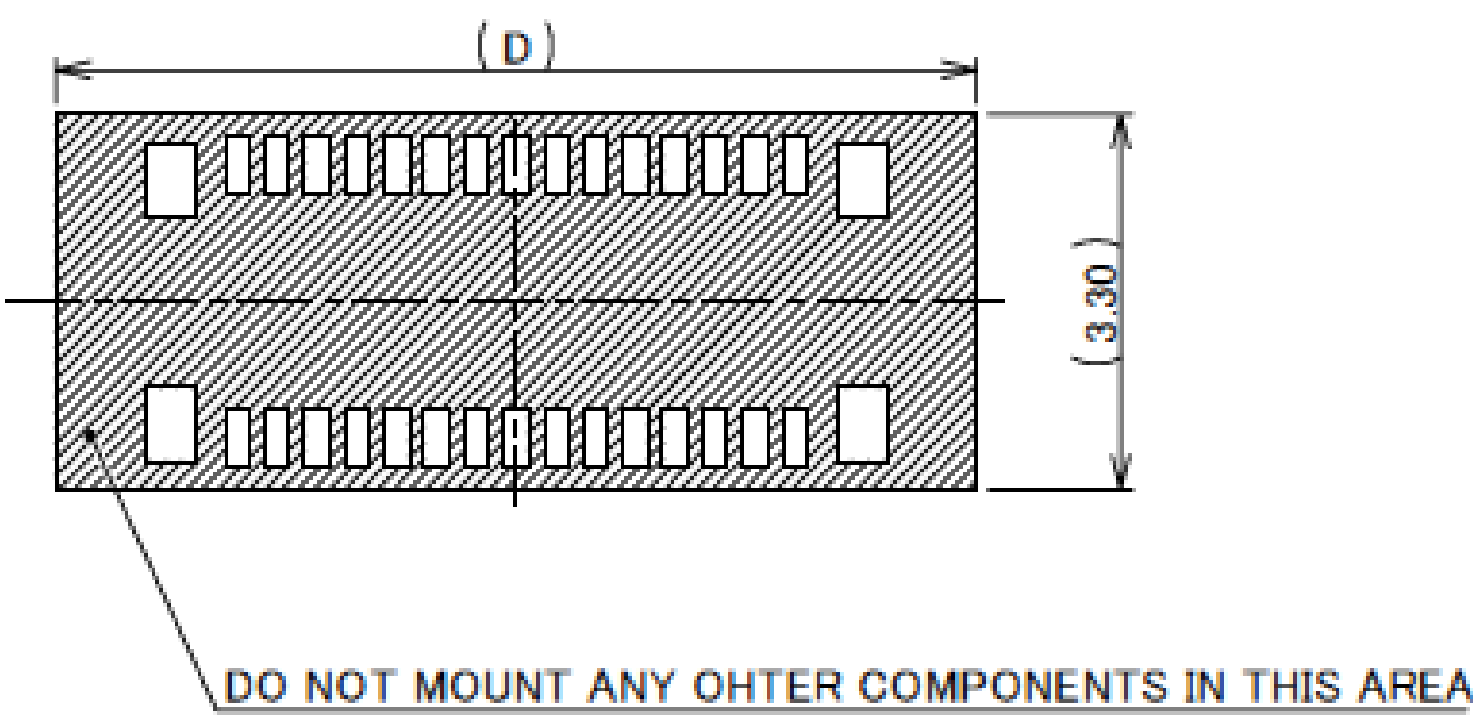


RECOMMENDED METAL MASK LAYOUT (t=0.12)

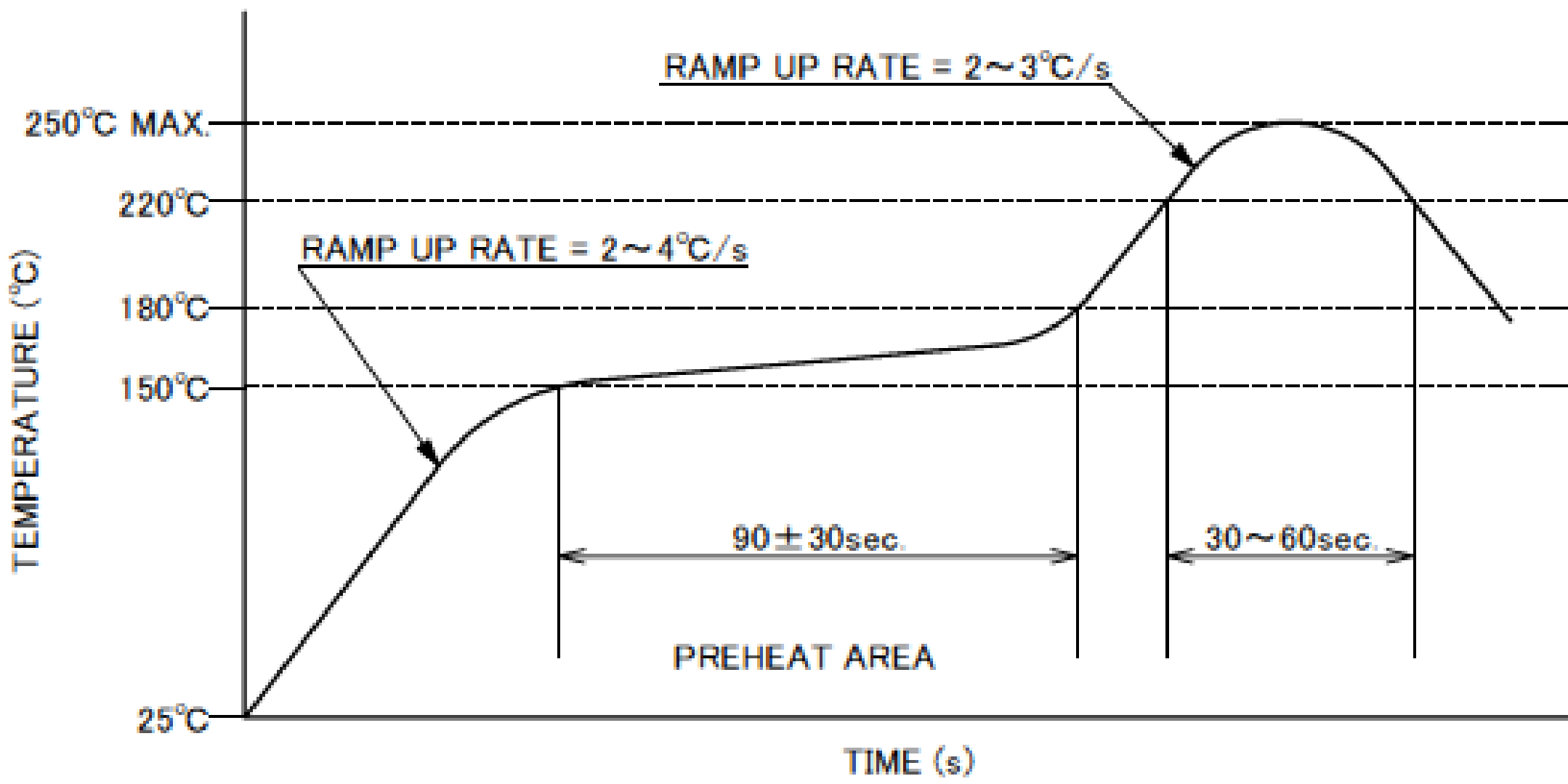


INSULATING AREA
(ONLY THE SAME SIGNAL CAN BE ARRANGE IN PATTERN)

RECOMMENDED PAD LAYOUT
AND RESIST OR COVER LAY AREA



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

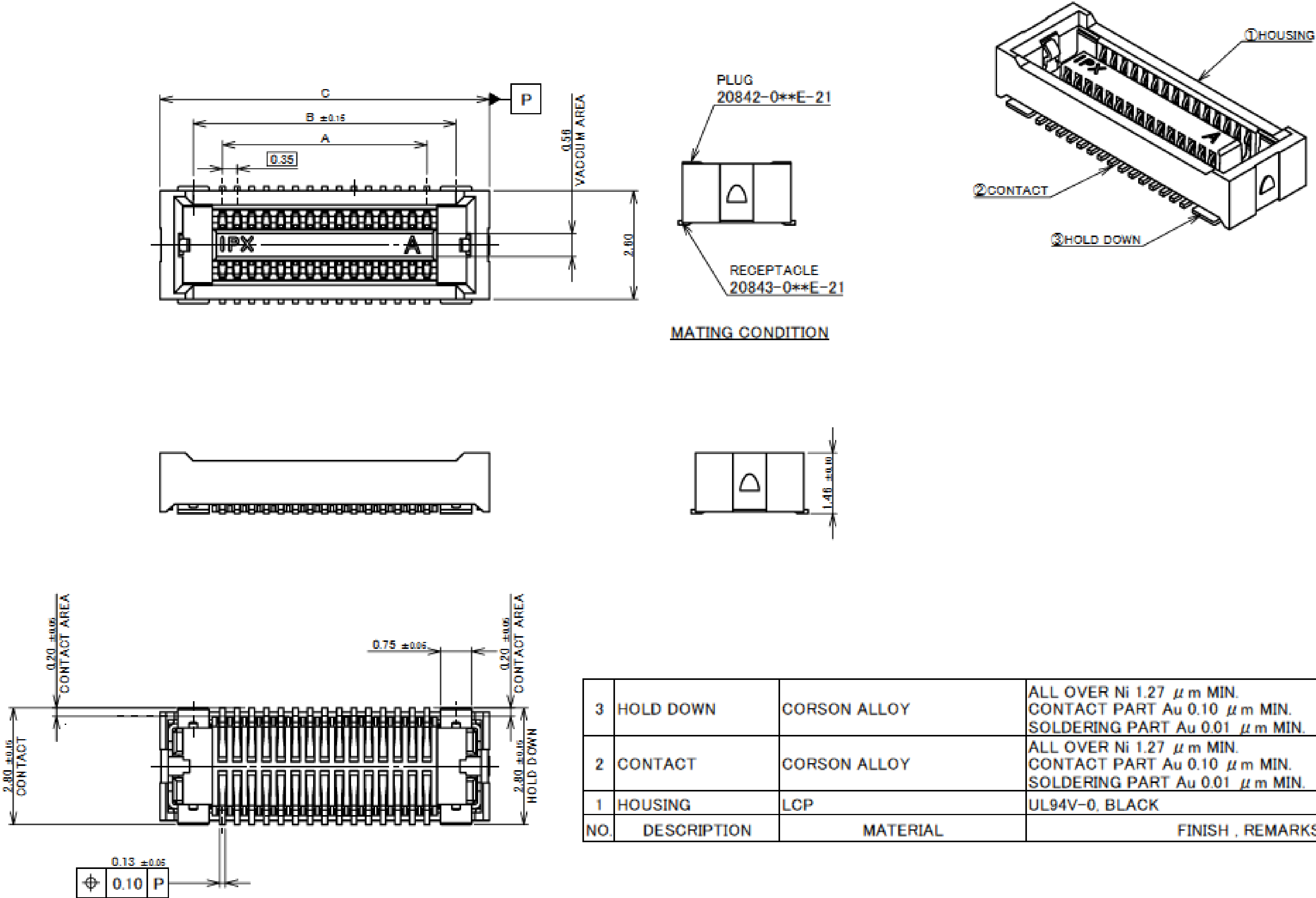
Plug Assembly

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°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)	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

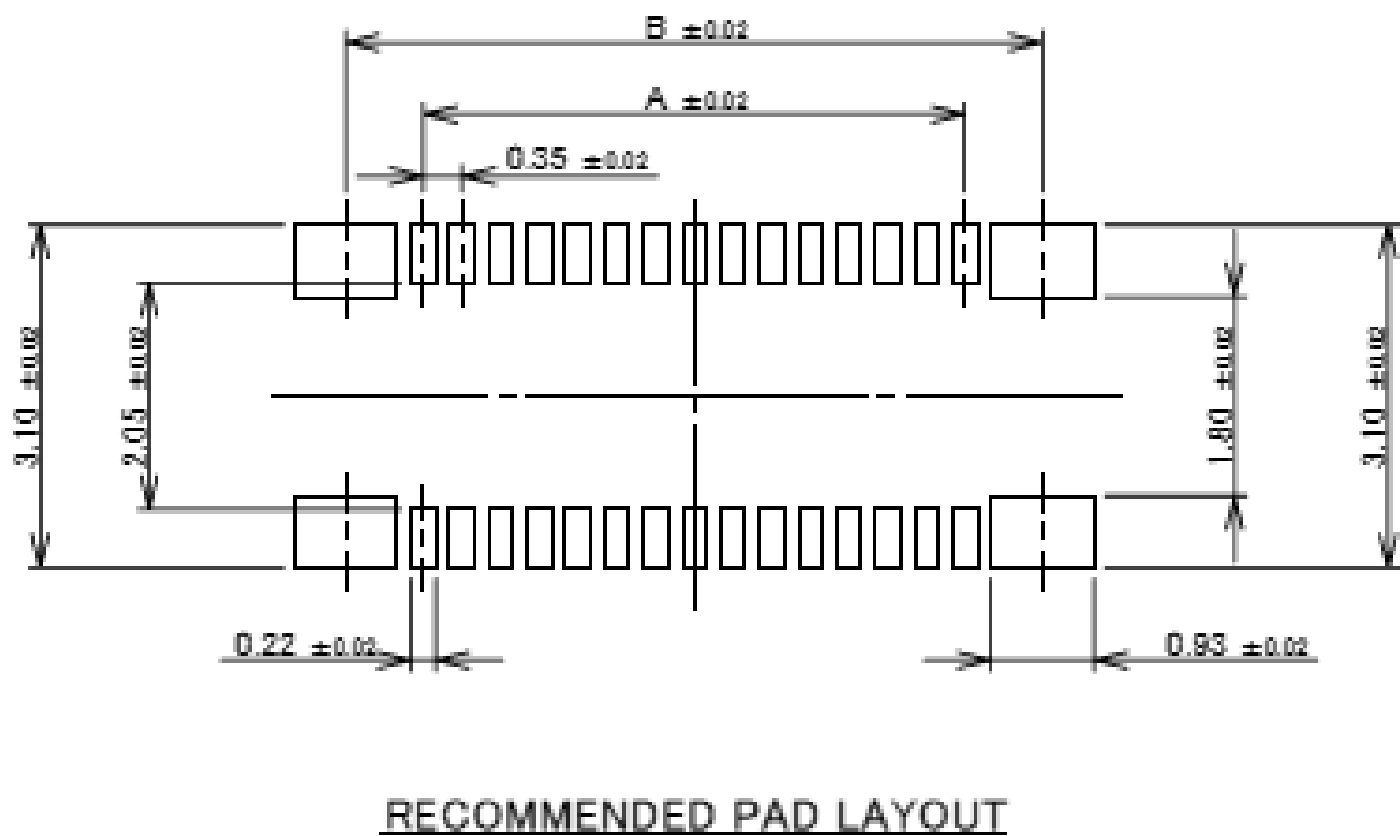
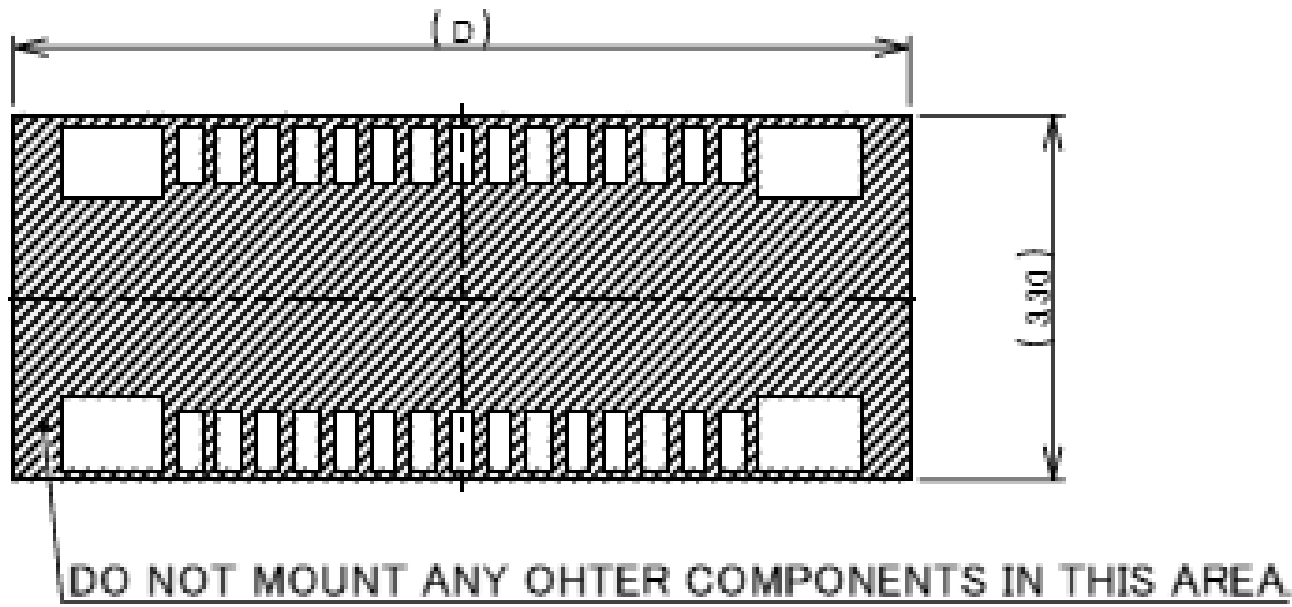
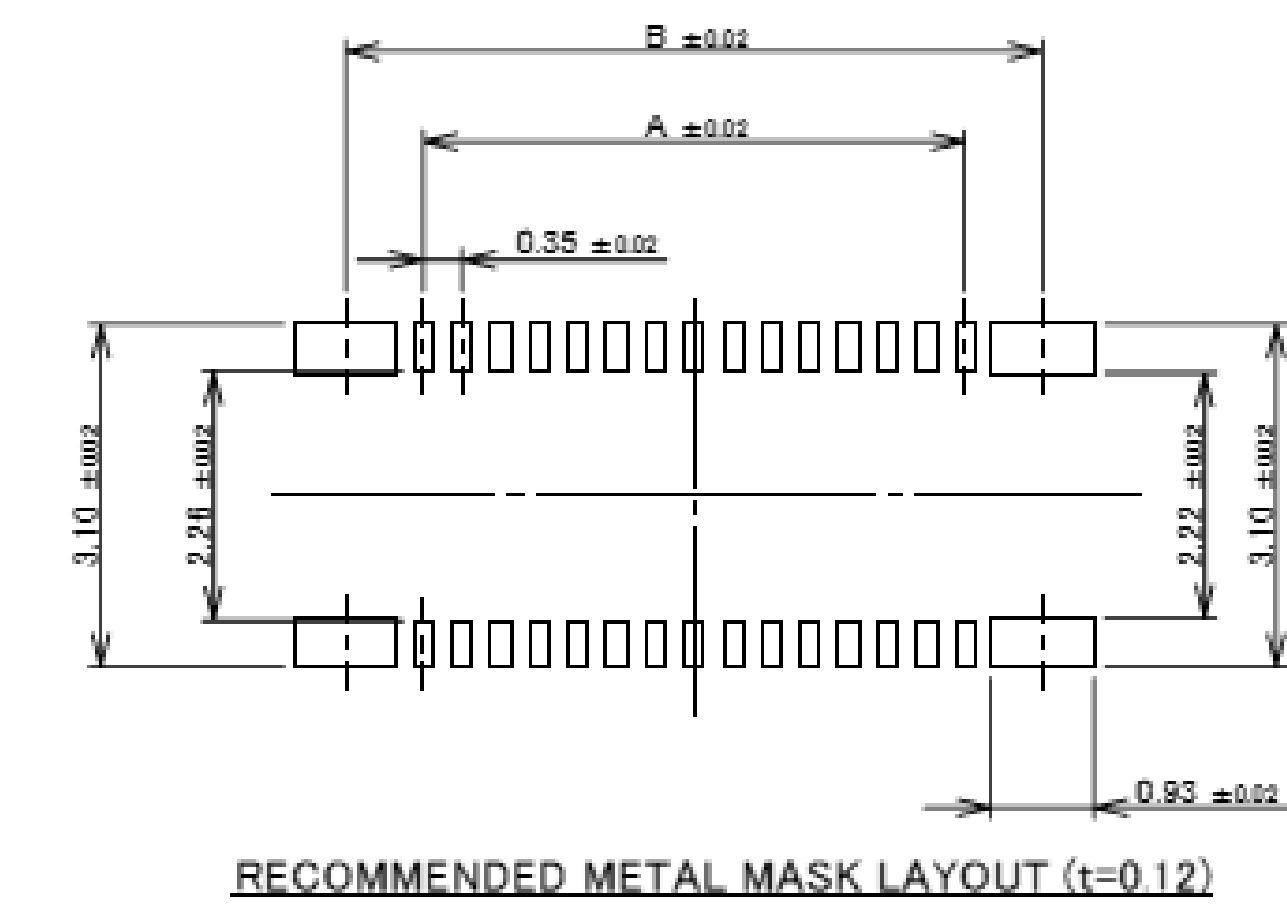
Recommended P/N		20843-0**E-21			
PART No.	Pos	A	B	C	
20843-010E-21	10	1.40	2.80	4.40	
20843-030E-21	30	4.90	6.30	7.90	
20843-040E-21	40	6.65	8.05	9.65	
20843-050E-21	50	8.40	9.80	11.40	



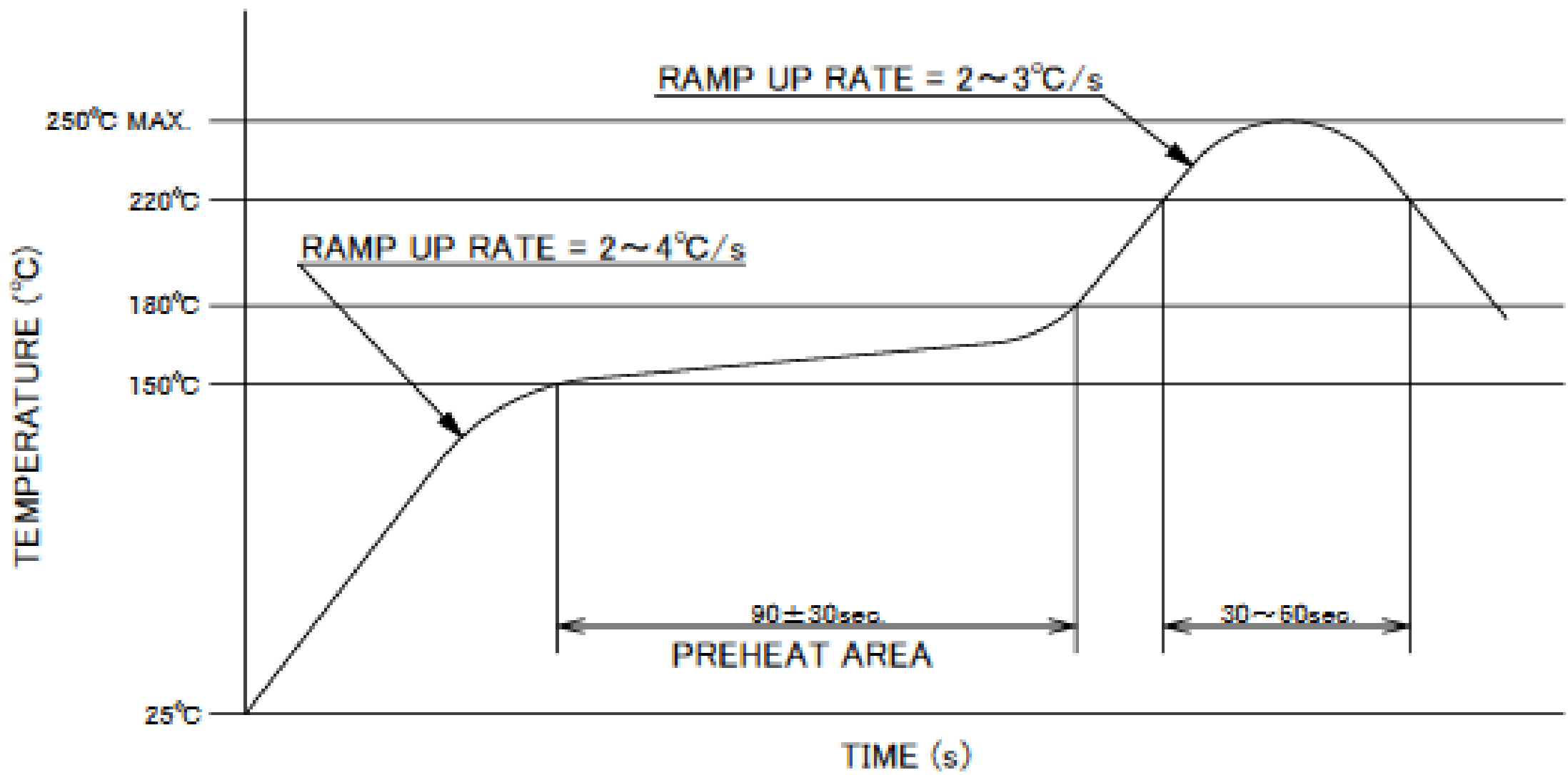
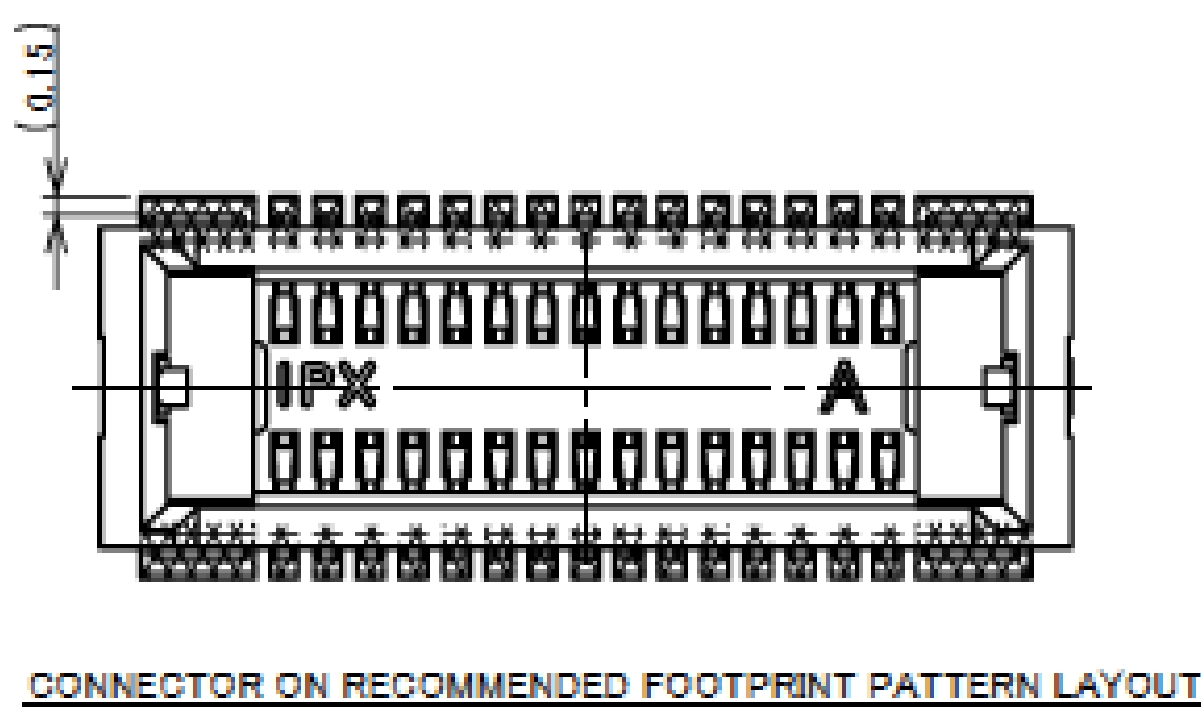
Rev.5

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



Rev.5



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

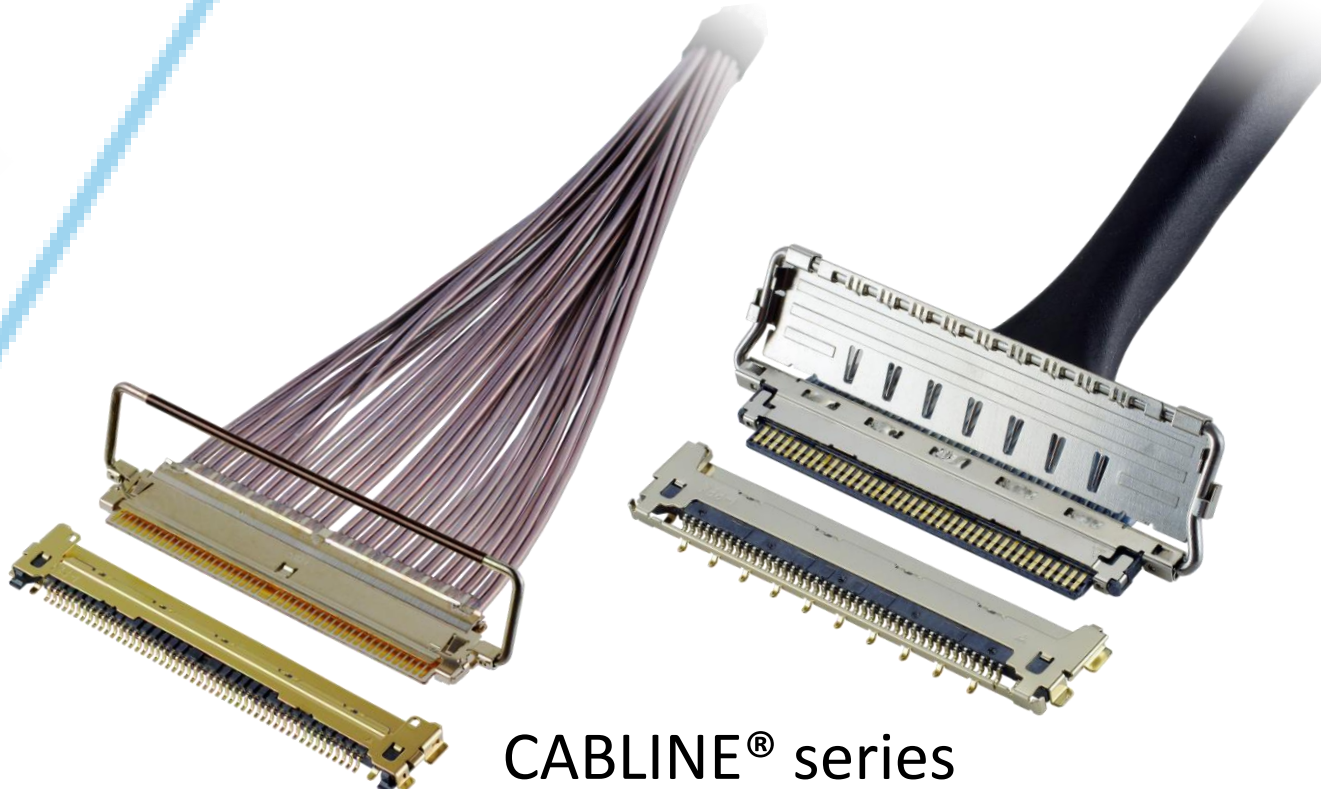
Custom Connectors Available

 RF
Connectors

MHF® series



CABLINE® series



Micro-coaxial/Twinax
Connectors

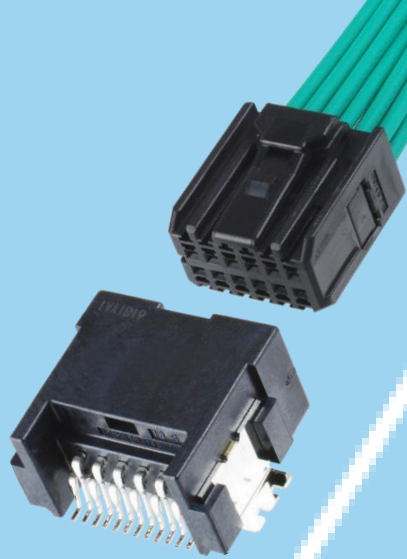


Wire-to-Board
Connectors/
Terminals

AP series



ISH® series



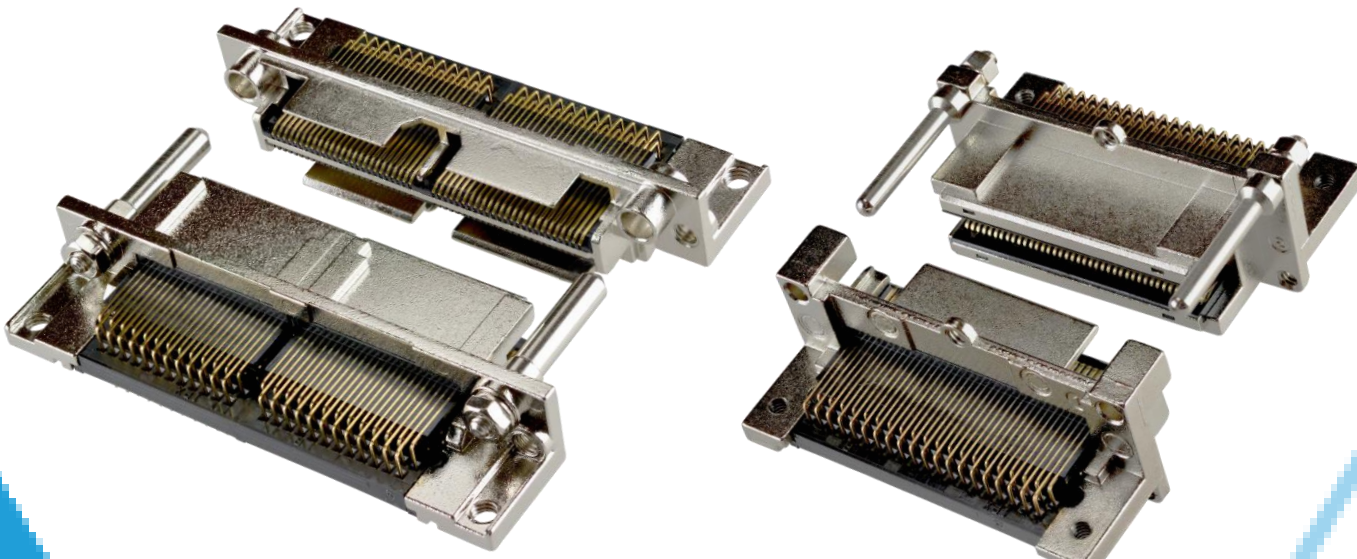
NOVASTACK® series



Board-to-Board
Connectors



I/O
Connectors



MINIDOCK™ series

MINIFLEX® series

EVAFLEX® series



FPC/FFC
Connectors



Inquiry



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