

IX-UC (USB Type-C Connector)

규격 표준 USB Type-C I/O 커넥터

Product Specifications:

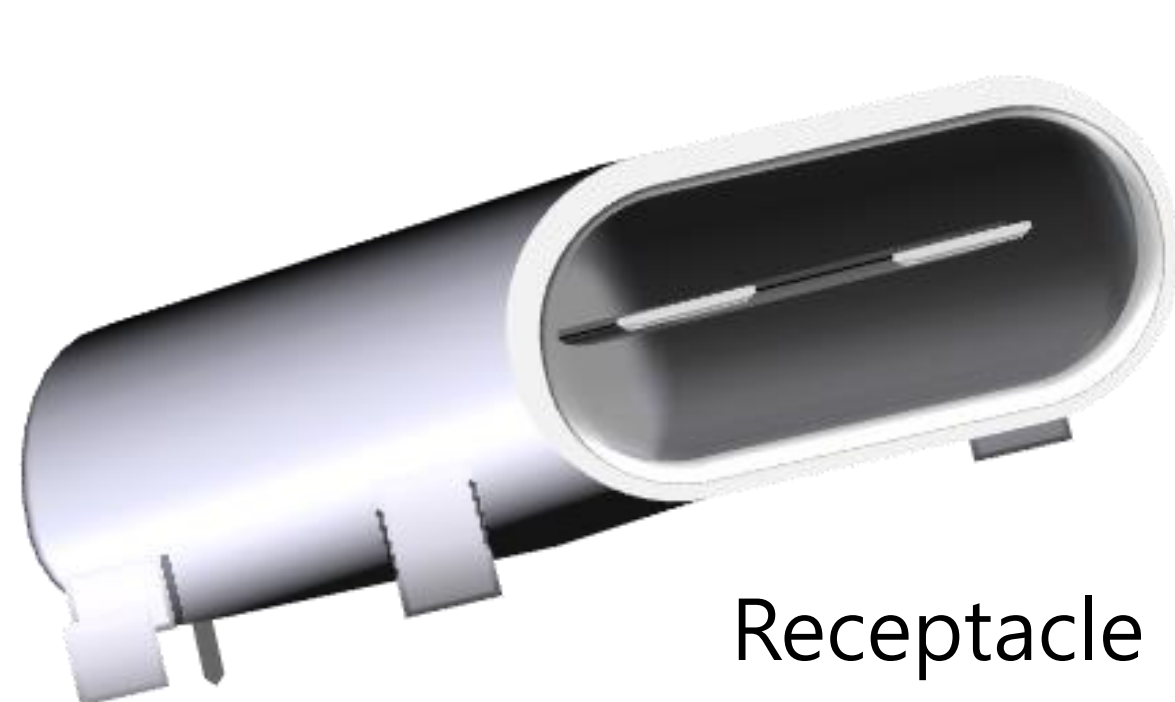
Contact Resistance	Initial 40mΩ Max./ After Test 50mΩ Max.
Insulation Resistance	100mΩ Min.
Dielectric withstanding voltage	AC 100 V 1 Min.
Durability	10,000 Cycles

*기재가 되어있지 않은 핀 수의 대응 여부에 대해서는 문의해 부탁드립니다.

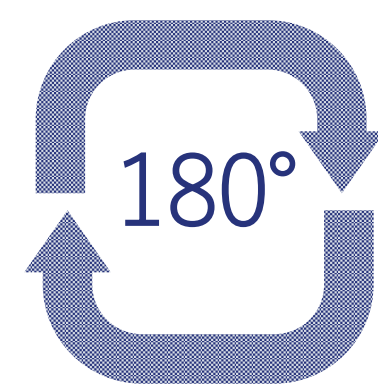


▶ USB Type-C 산업 표준품

앞뒤 방향을 신경 쓰지 않고 탈착 가능한 상하 대칭 Reversible 구조



Receptacle



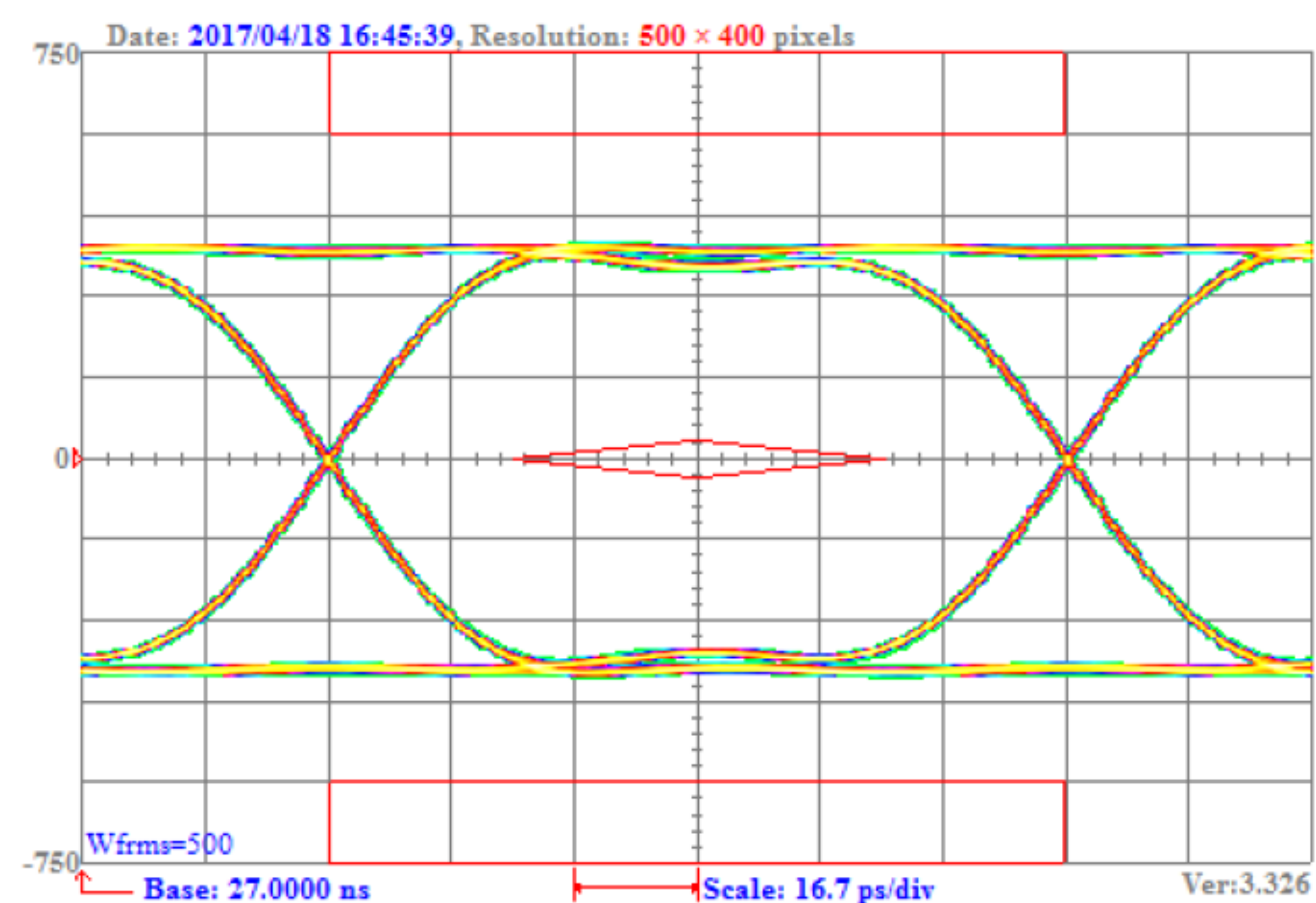
Plug

급속 충전 대응의 차세대USB규격 「USB Type-C™」

▶ 고속 전송 대응, 10-20 Gbps (USB3.2)

Eye pattern (Differential)
Bit rate : 10Gbps
Rise time : 100ps (10-90%)
Input voltage : 400mVp-p

*시험 데이터의 상세는 I-PEX Connectors로 문의 바랍니다.

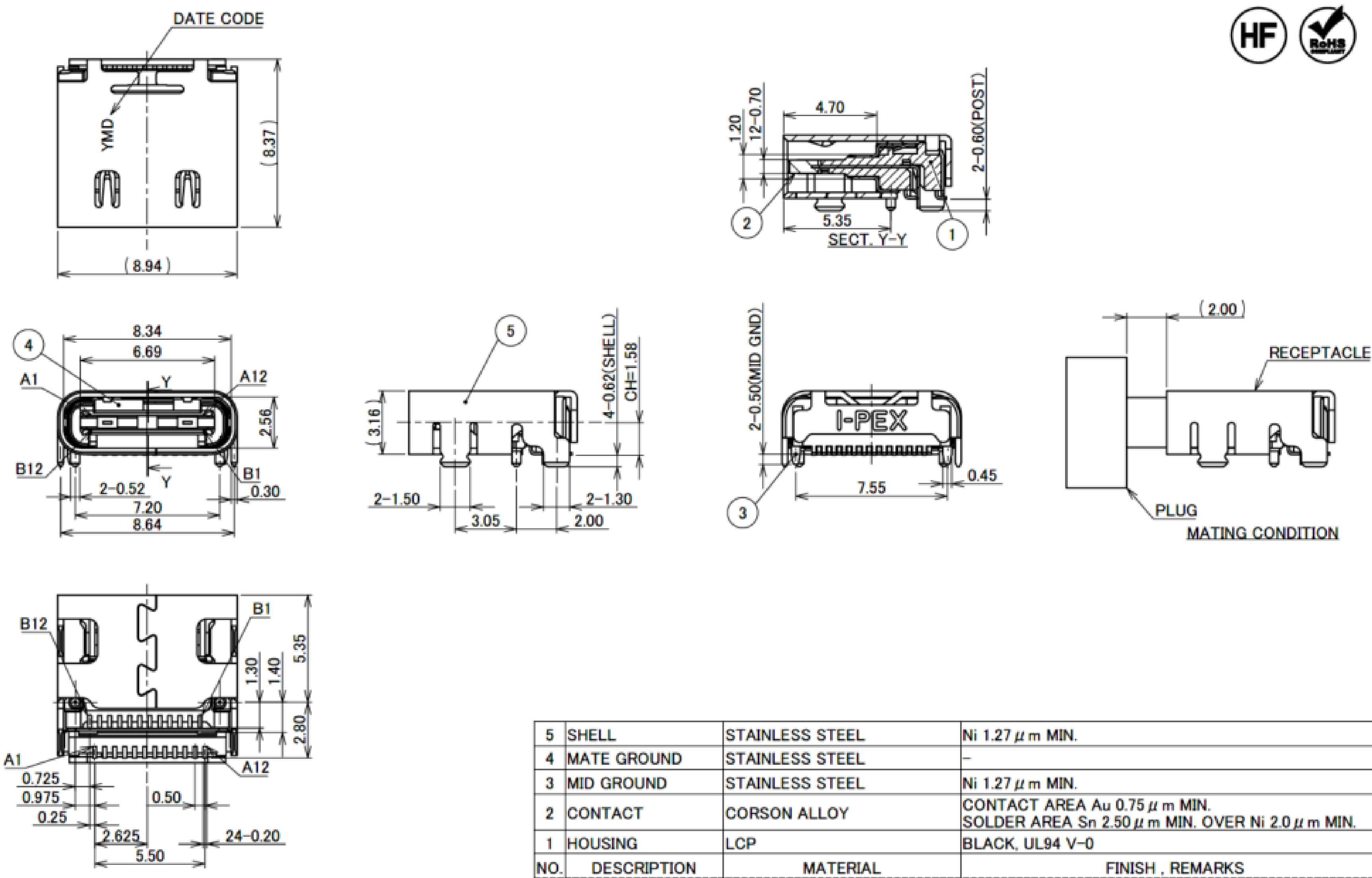


▶ 풍부한 제품 사양 및 커스텀 대응

Mounting Type	Mid Mount			Top Mount
Appearance				
Part Number	30113-024E-01	30114-024E-01	30115-024E-01	30112-024E-01
Center Height	1.30	0.88	-0.6	1.60
Body Height	2.98	3.46	1.93	3.14
Height	3.16	2.56	4.01	3.14
Length	9.87	9.85	11.03	8.37
PCB Mounting	DIP & SMT			SMT & SMT

Component Parts Details

Recommended P/N	30112-024E-01
PART No.	
30112-024E-01	

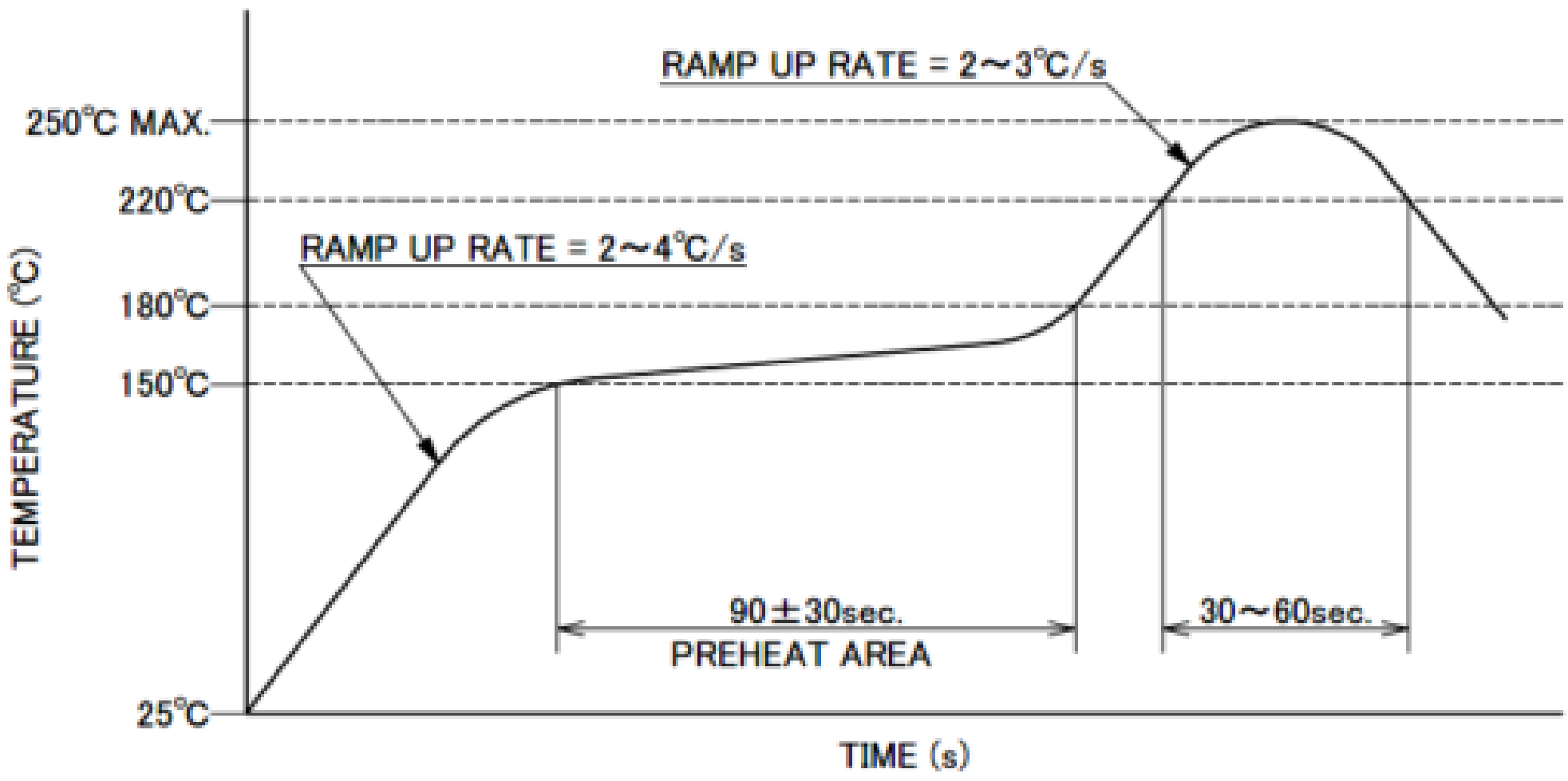
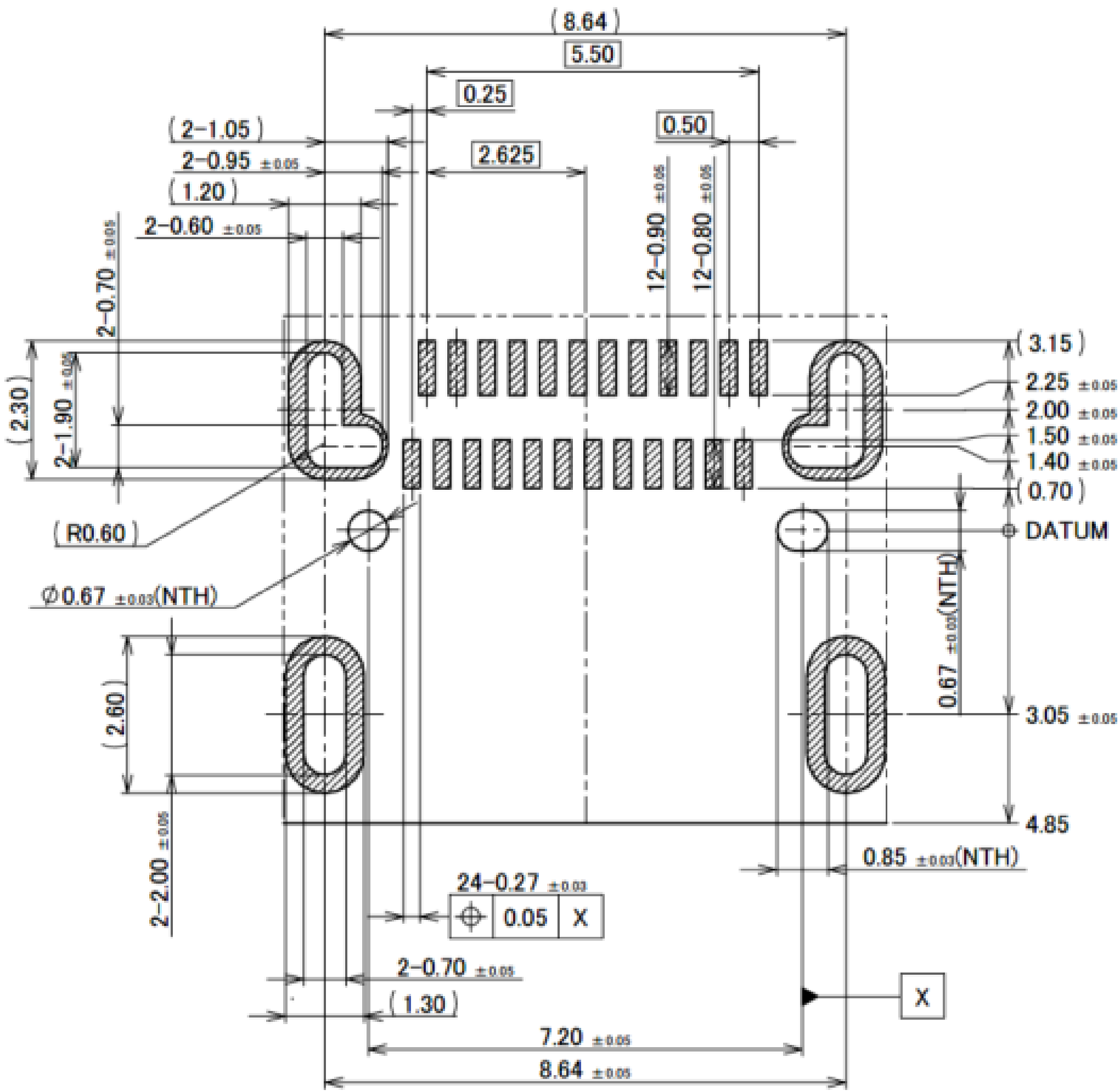


PIN ASSIGNMENT (Front)

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND	TX1+	TX1-	V _{BUS}	CC1	D+	D-	SBU1	V _{BUS}	RX2-	RX2+	GND
GND	RX1+	RX1-	V _{BUS}	SBU2	D-	D+	CC2	V _{BUS}	TX2-	TX2+	GND
B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1

ITEMS	SPECIFICATION
RATING VOLTAGE	5V MAX.
RATING AMPERAGE (FOR VBUS PIN)	3A AC/DC
OPERARING TEMPERATURE	218~358K(-55℃~85℃)
CONTACT RESISTANCE	INITIAL : 40mohm MAX. / AFTER TEST : 50mohm MAX.
INSULATION RESISTANCE	100Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC100V 1min
DURABILITY	10,000 CYCLES
MATING FORCE (INITIAL / AFTER TEST)	20N MAX. 5N MIN.
UNMATING FORCE (INITIAL / AFTER TEST)	20N MAX. 8N MIN. / 20N MAX. 6N MIN.
COPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-2508
TEST REPORT	TR-18061
PACKING STANDARD	PST-18106

Rev.2

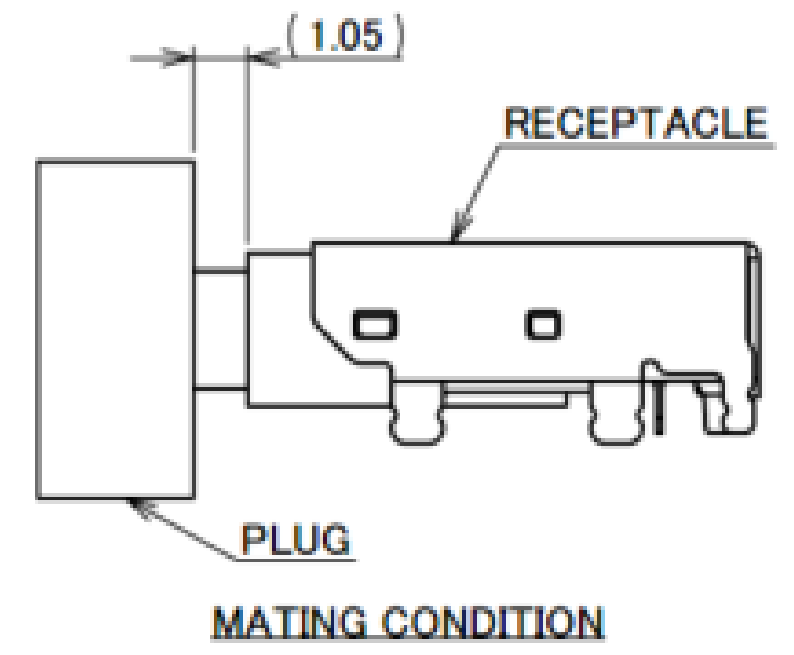
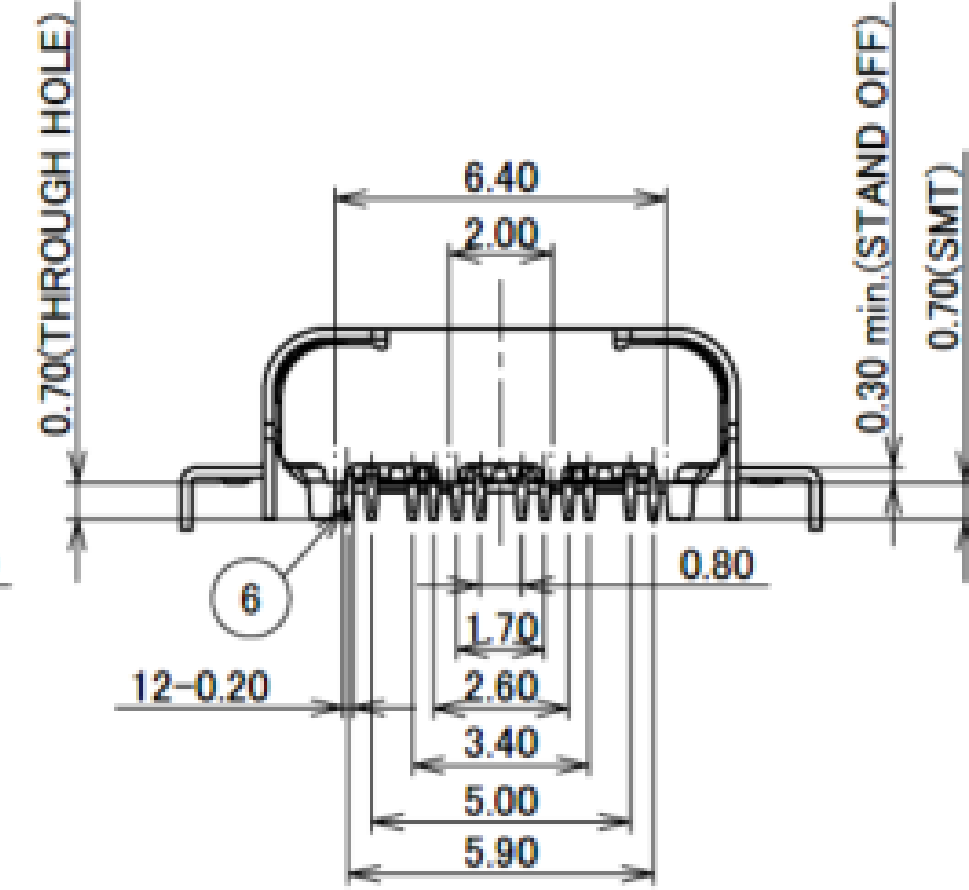
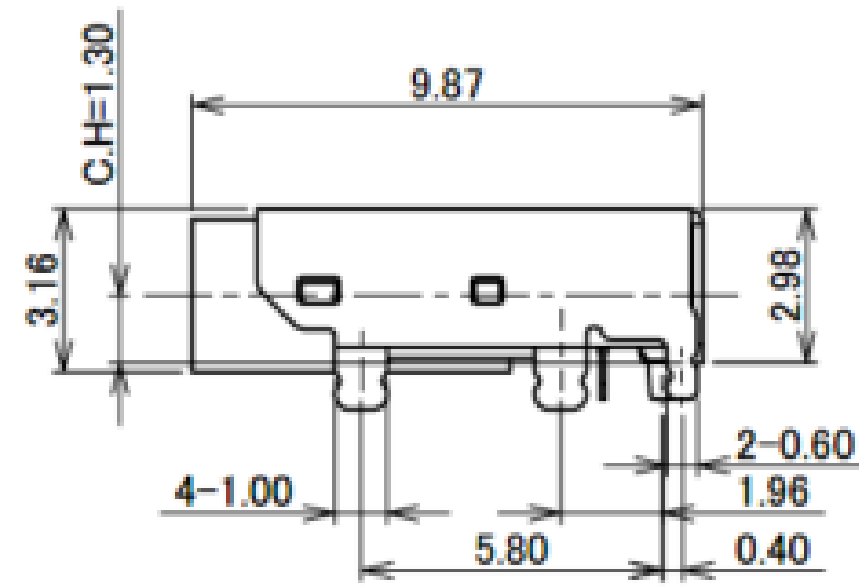
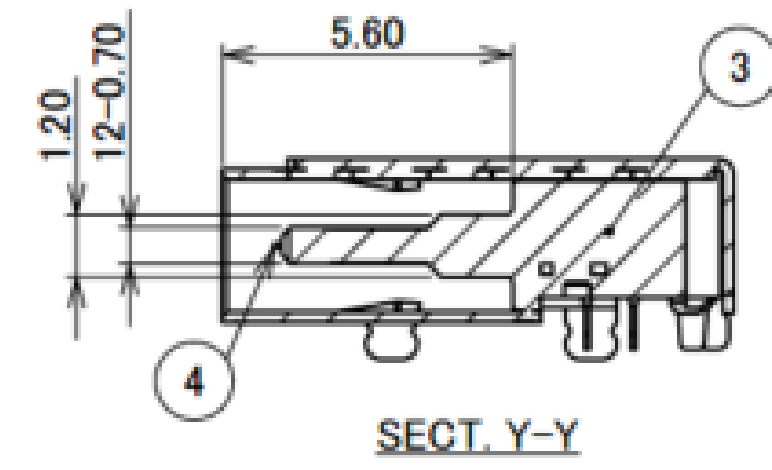
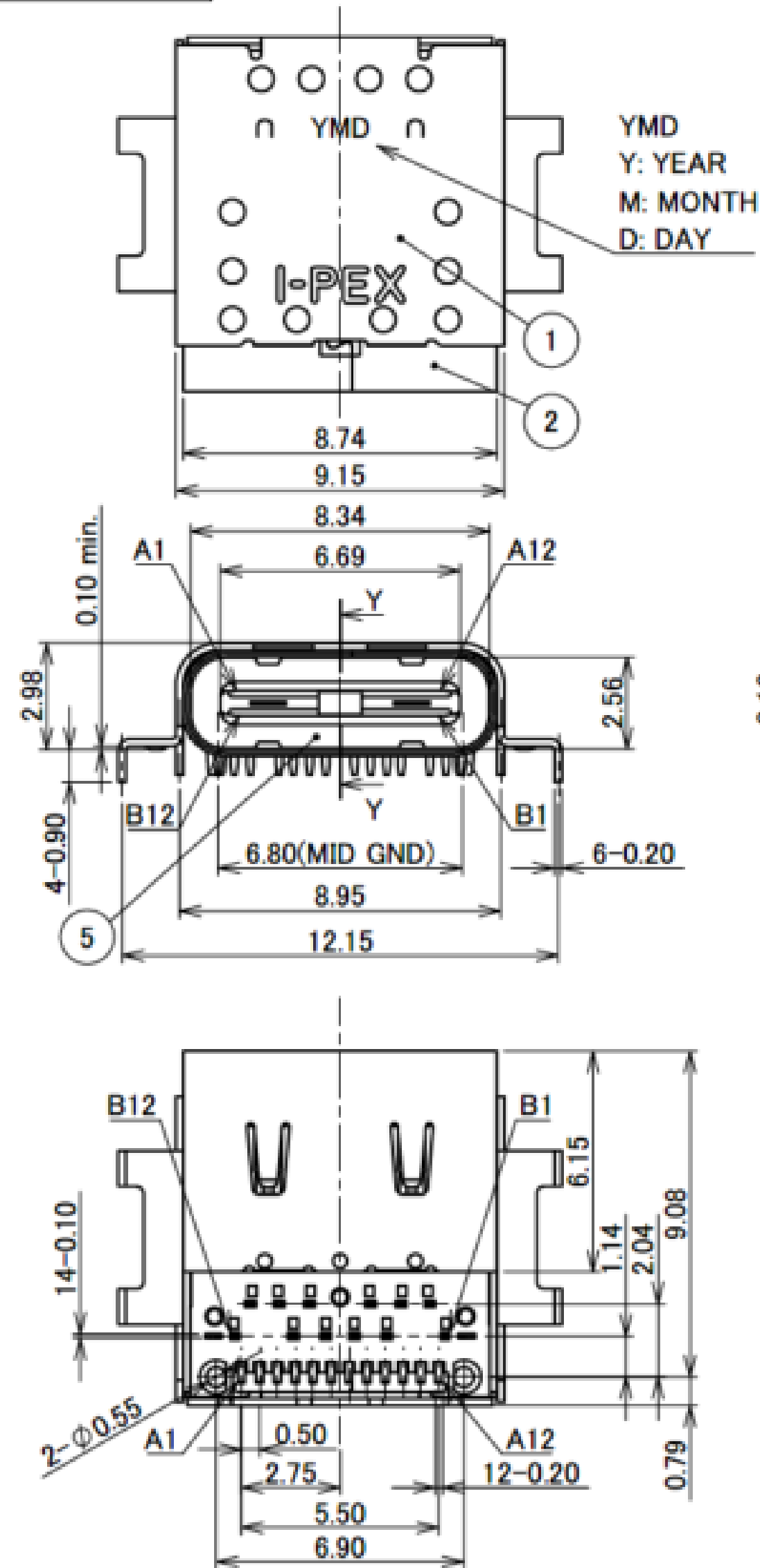
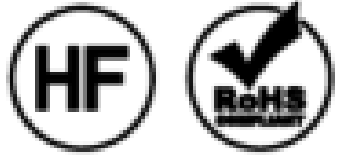


REFLOW TEMPERATURE PROFILE
SENJU METAL INDUSTRY CO., LTD. : M705-SHF(Sn96.5 Ag3.0 Cu0.5)

Rev.2

Recommended P/N 30113-024E-01

PART No.
30113-024E-01



6	CONTACT	COPPER ALLOY	CONTACT AREA Au 0.75 μ m MIN. SOLDER AREA Sn 1.50 μ m MIN. OVER Ni 2.0 μ m MIN.
5	MATE GROUND	STAINLESS STEEL	Ni 1.27 μ m MIN.
4	MID GROUND	STAINLESS STEEL	Ni 1.27 μ m MIN.
3	HOUSING	LCP	BLACK, UL94 V-0
2	INNER SHELL	STAINLESS STEEL	Ni 1.50 μ m MIN.
1	OUTSIDE SHELL	STAINLESS STEEL	SOLDER AREA Sn 1.27 μ m MIN. OVER Ni 1.50 μ m MIN.
NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS

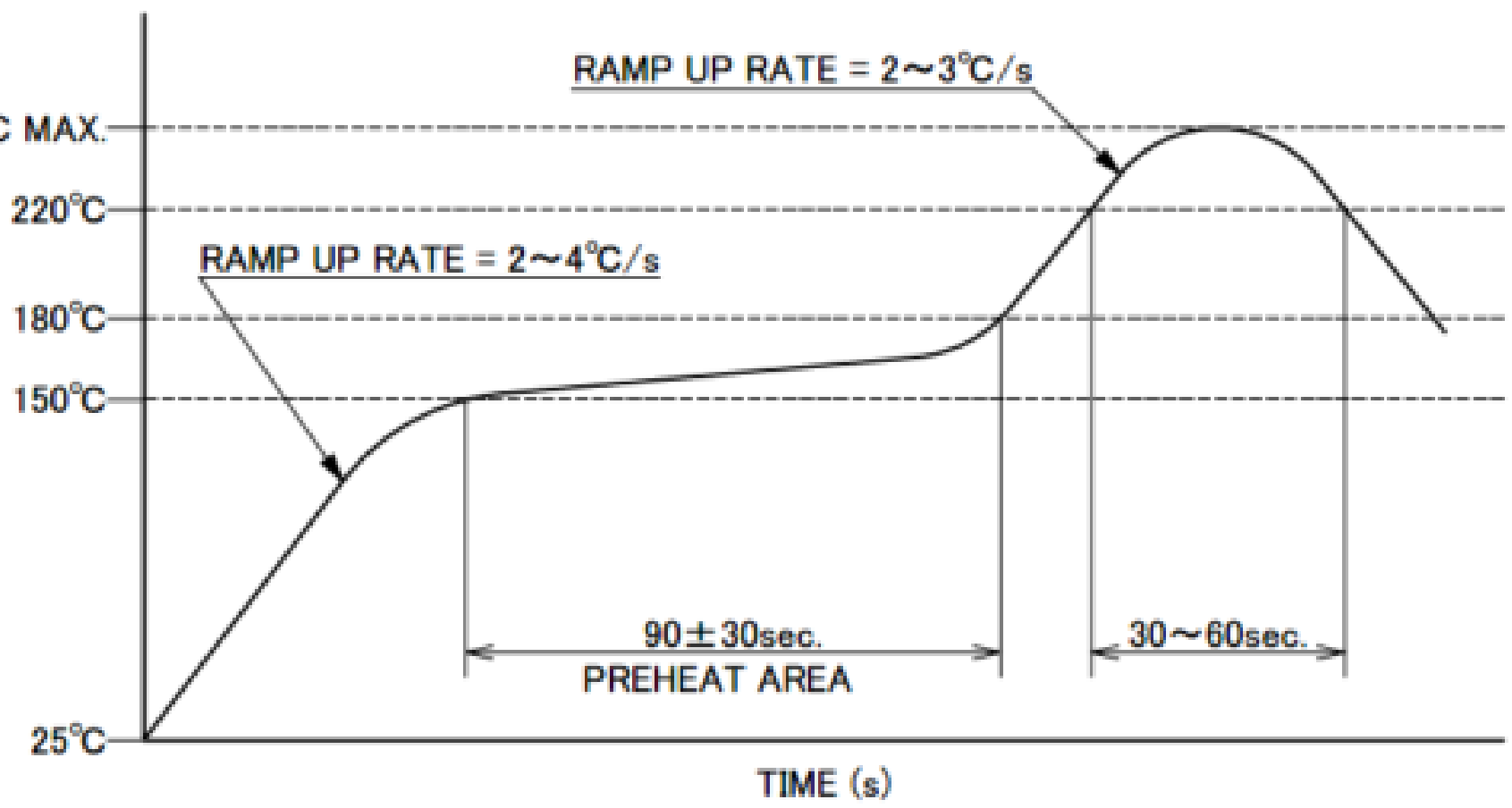
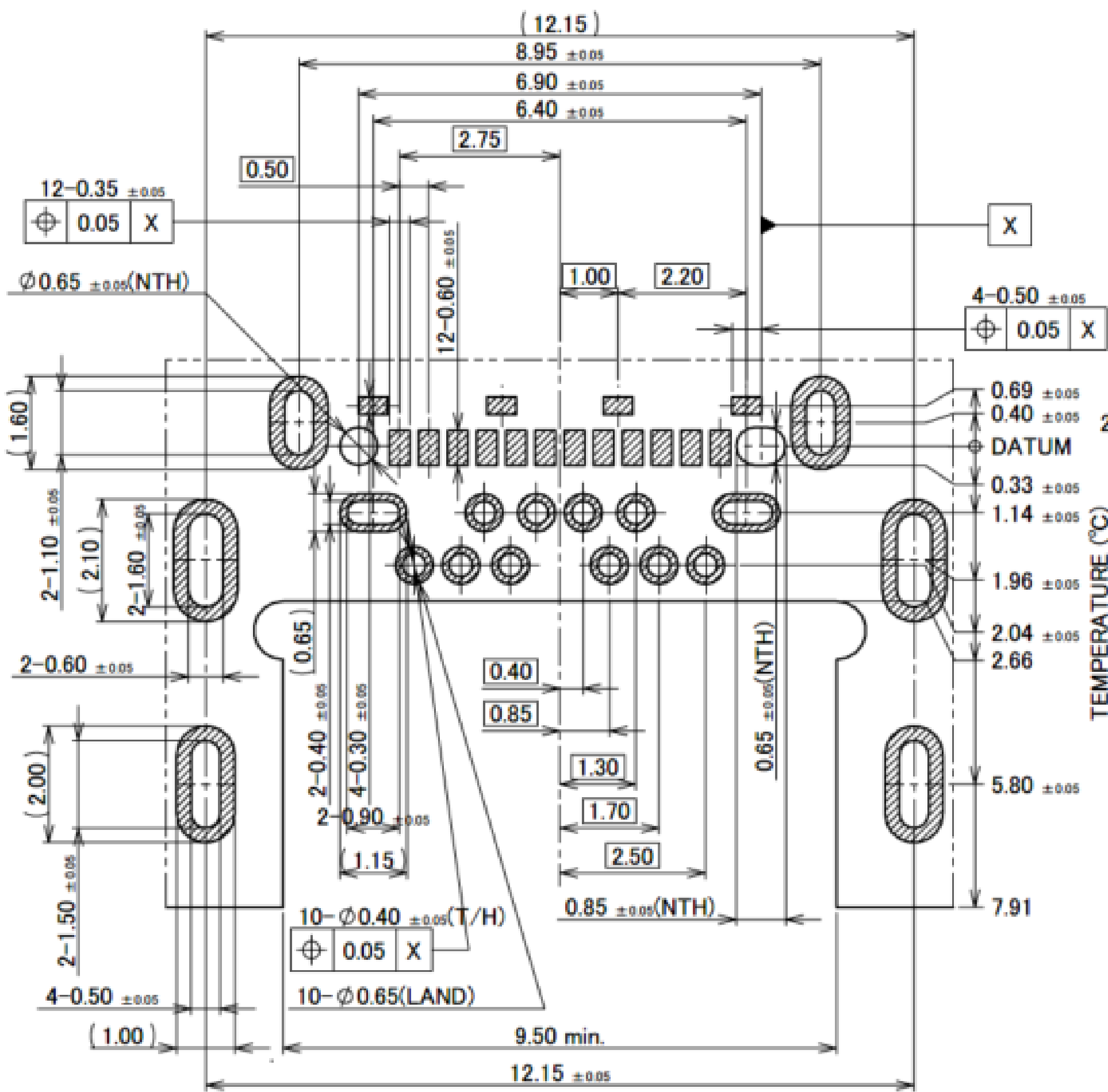
PIN ASSIGNMENT (Front)

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND	TX1+	TX1-	V _{BUS}	CC1	D+	D-	SBU1	V _{BUS}	RX2-	RX2+	GND
GND	RX1+	RX1-	V _{BUS}	SBU2	D-	D+	CC2	V _{BUS}	TX2-	TX2+	GND
B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1

Rev.1

ITEMS	SPECIFICATION
RATING VOLTAGE	20V MAX.
RATING AMPERAGE (FOR VBUS PIN)	5A AC/DC
OPERARING TEMPERATURE	233~353K(-40°C~80°C)
CONTACT RESISTANCE	INITIAL : 40mohm MAX. / AFTER TEST : 50mohm MAX.
INSULATION RESISTANCE	100Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC100V 1min
DURABILITY	10,000 CYCLES
MATING FORCE (INITIAL / AFTER TEST)	20N MAX. 5N MIN.
UNMATING FORCE (INITIAL / AFTER TEST)	20N MAX. 8N MIN. / 20N MAX. 6N MIN.
COPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-2507
TEST REPORT	TR-18060
PACKING STANDARD	PST-18106

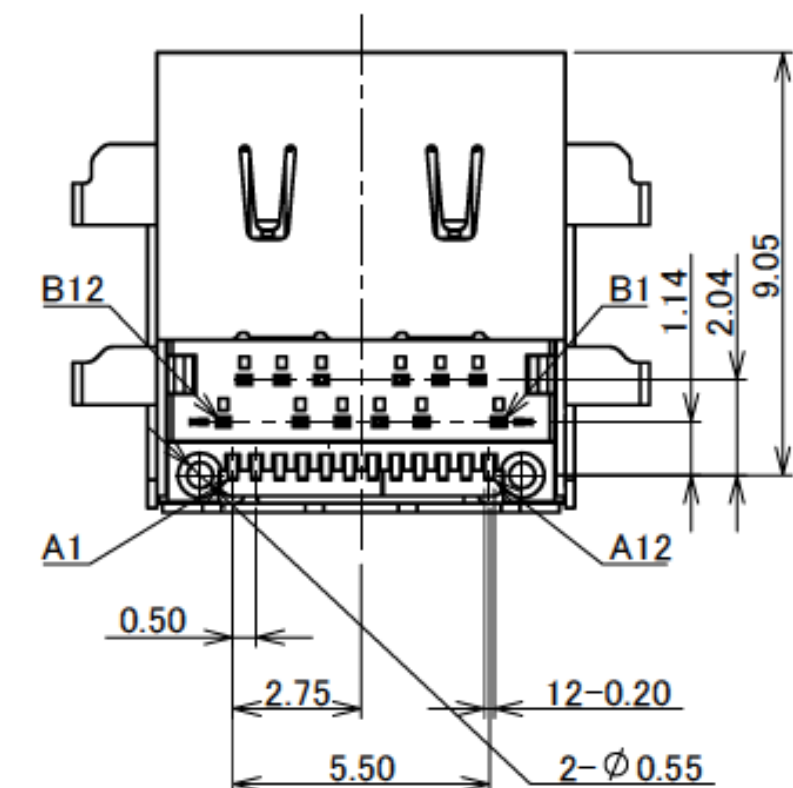
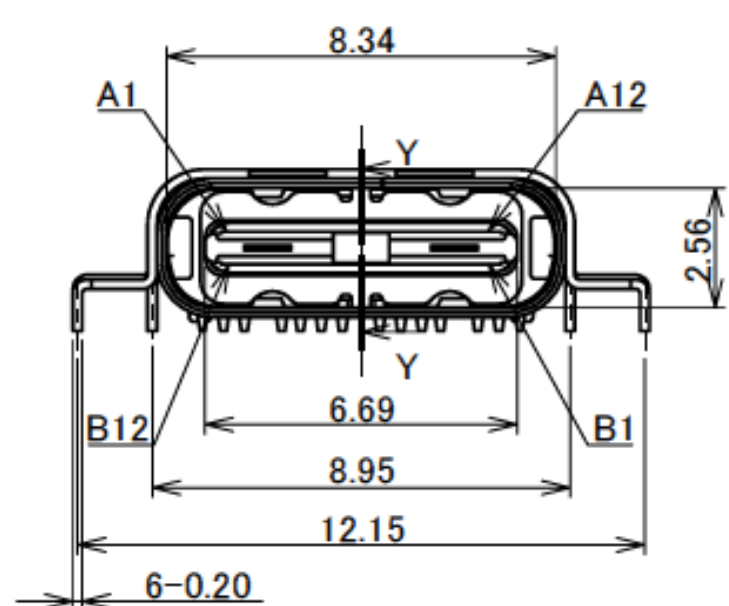
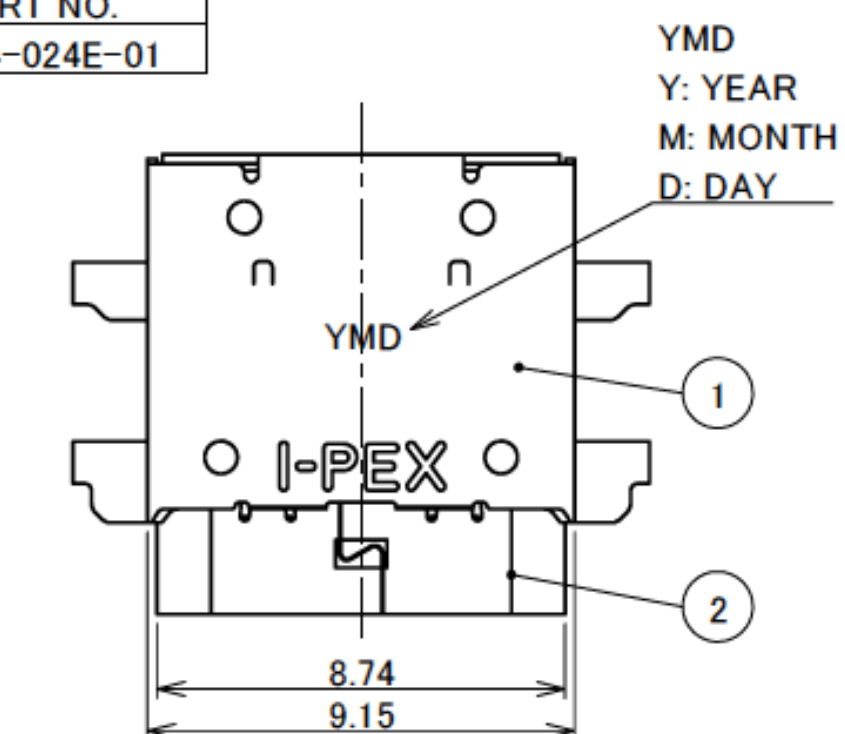
Rev.1



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

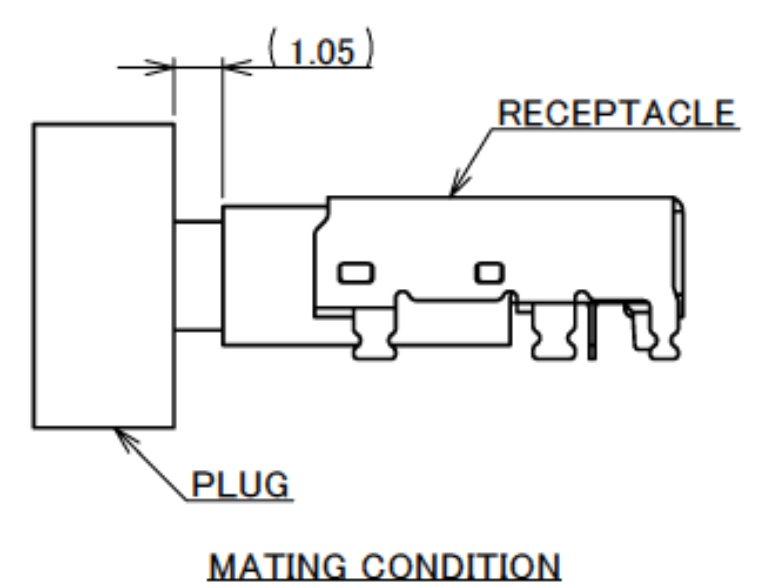
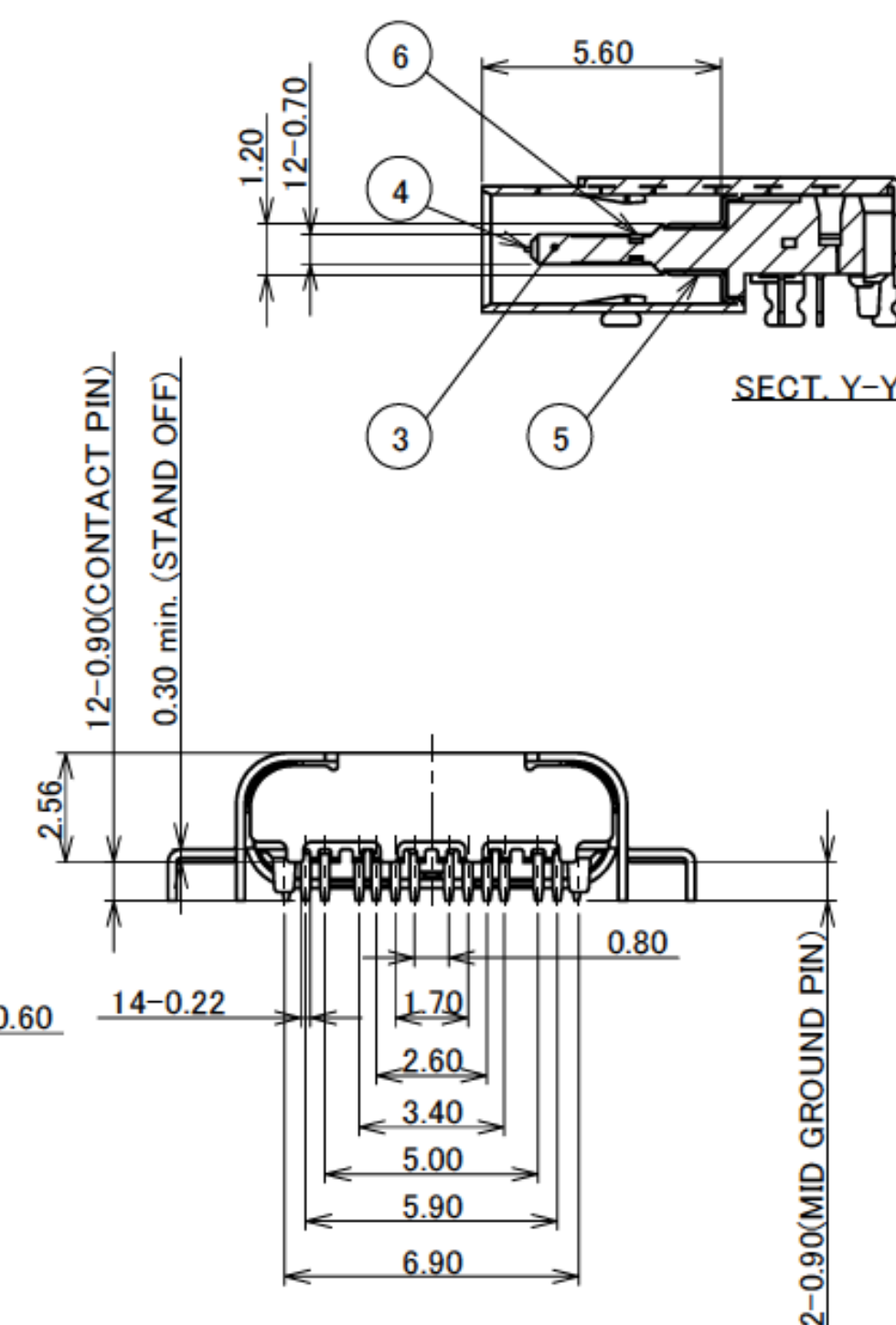
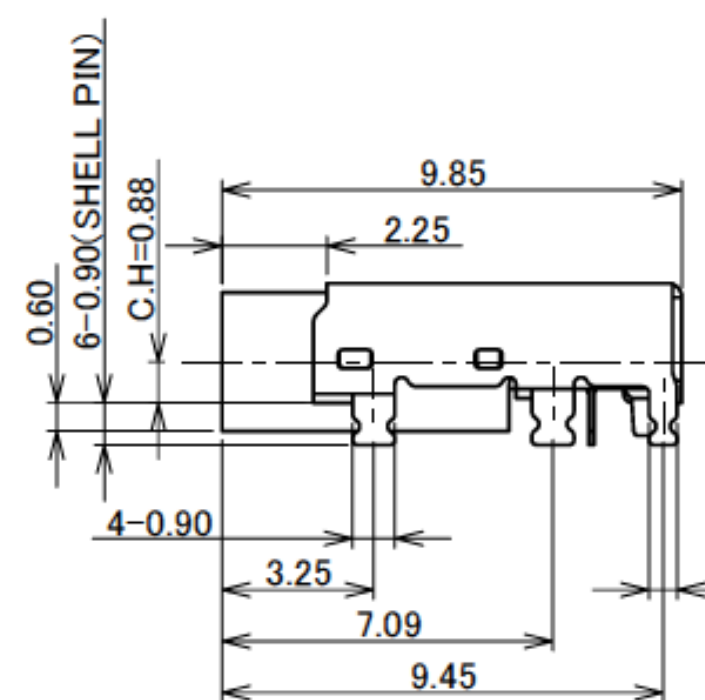
Rev.1

Recommended P/N	30114-024E-01
PART NO.	30114-024E-01



PIN ASSIGNMENT (Front)

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND	TX1+	TX1-	V _{BUS}	CC1	D+	D-	SBU1	V _{BUS}	RX2-	RX2+	GND
B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1
GND	RX1+	RX1-	V _{BUS}	SBU2	D-	D+	CC2	V _{BUS}	TX2-	TX2+	GND



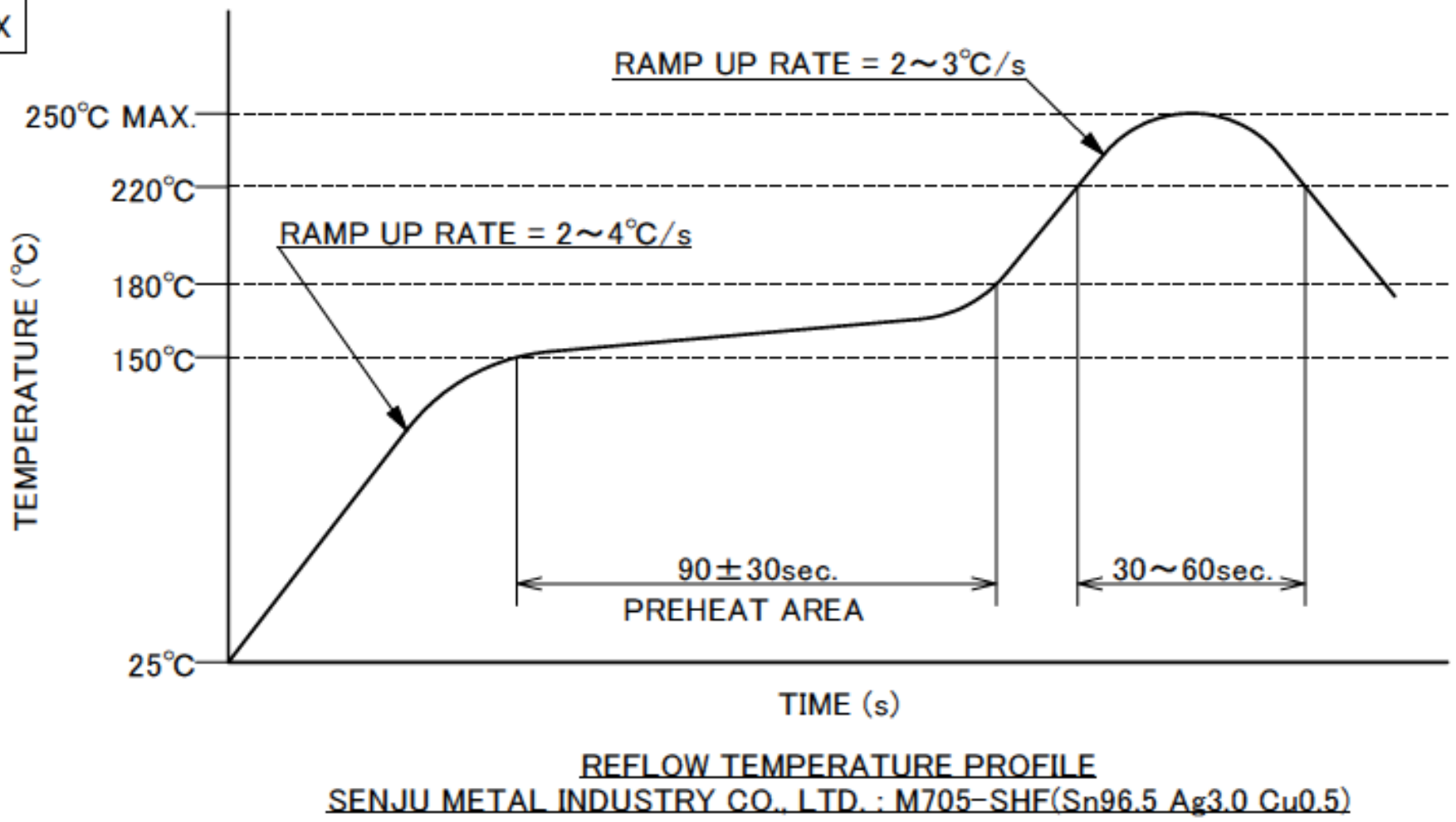
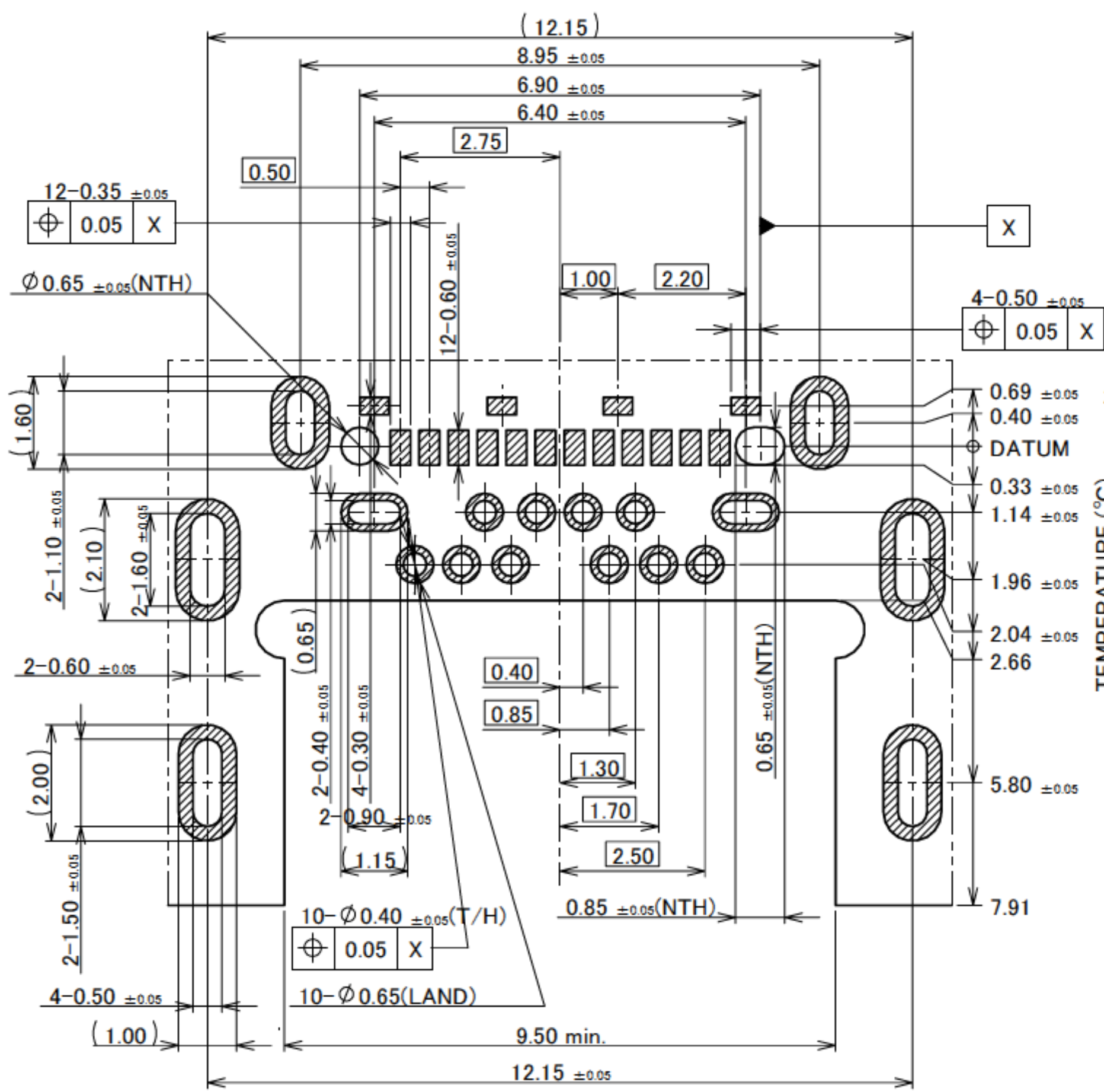
6	CONTACT	COPPER ALLOY	CONTACT AREA Au 0.75 μ m MIN. SOLDER AREA Sn 1.50~4.00 μ m OVER Ni 2.00~4.00 μ m
5	MATE GROUND	STAINLESS STEEL	Ni 1.27 μ m MIN
4	MID GROUND	STAINLESS STEEL	Ni 1.27 μ m MIN
3	HOUSING	LCP	BLACK, UL94 V-0
2	INNER SHELL	STAINLESS STEEL	Ni 1.50 μ m MIN
1	OUTSIDE SHELL	STAINLESS STEEL	SOLDER AREA Sn 1.27 μ m MIN. OVER Ni 1.50 μ m MIN.

NO.	DESCRIPTION	MATERIAL	FINISH, REMARKS
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Rev.1

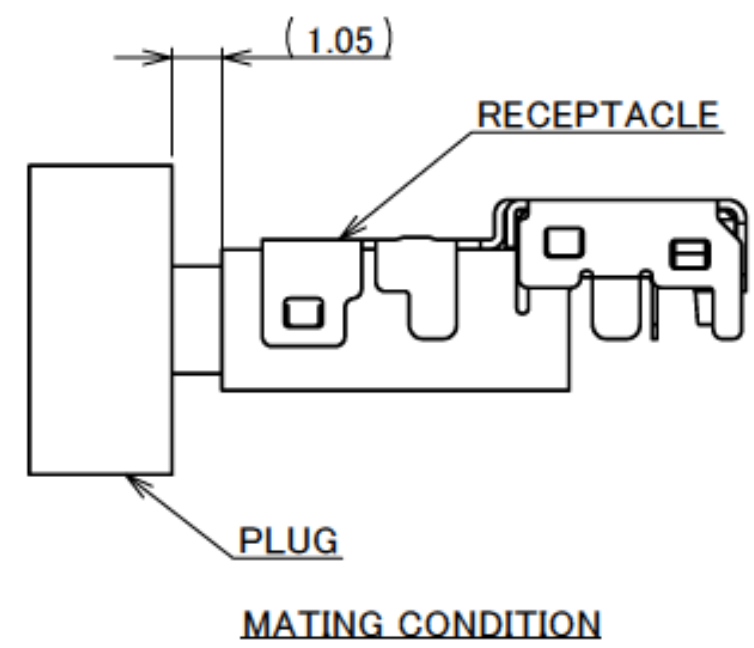
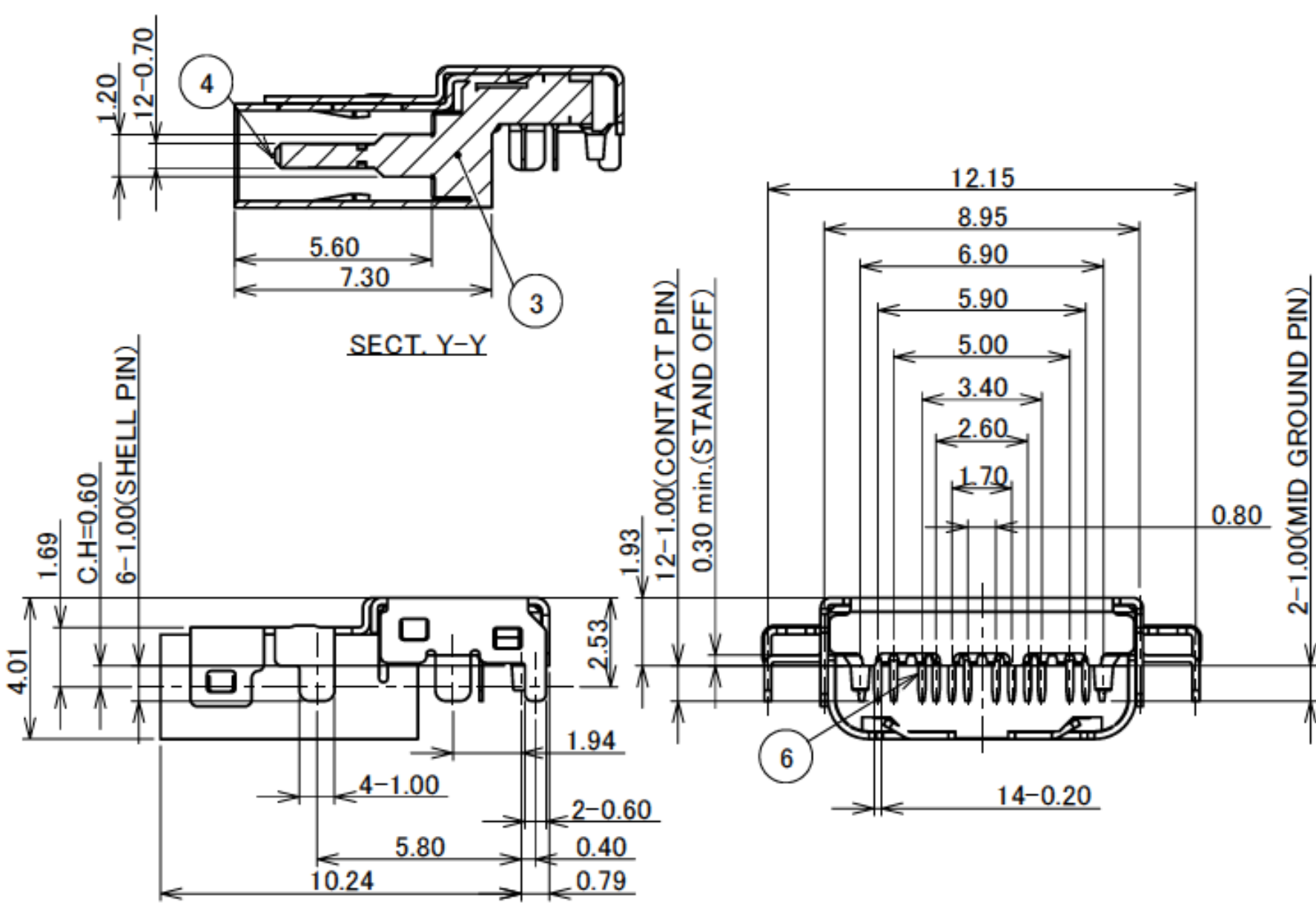
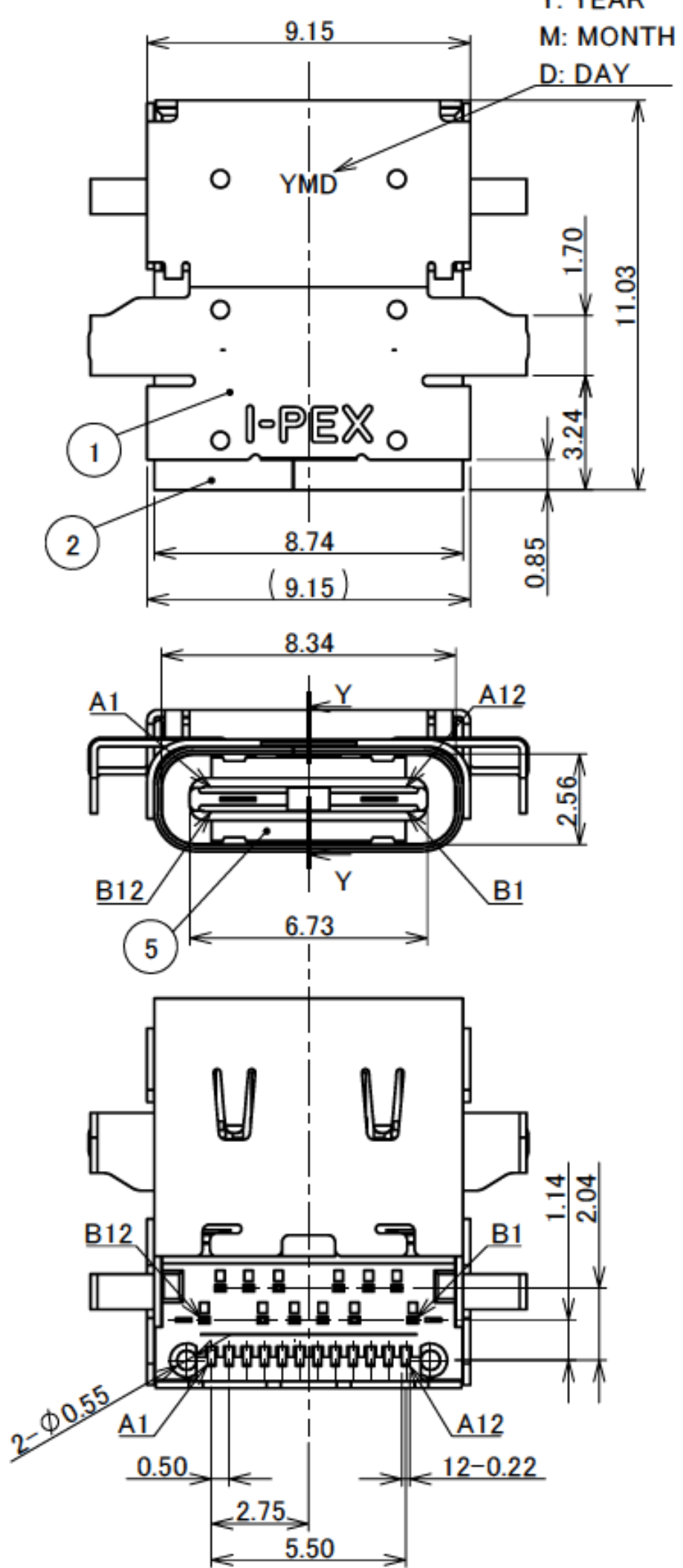
ITEMS	SPECIFICATION
RATING VOLTAGE	20V MAX.
RATING AMPERAGE (FOR VBUS PIN)	5A AC/DC
OPERATING TEMPERATURE	233~353K(-40°C~80°C)
CONTACT RESISTANCE	INITIAL : 40mohm MAX. / AFTER TEST : 50mohm MAX.
INSULATION RESISTANCE	100Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC100V 1min
DURABILITY	10,000 CYCLES
MATING FORCE (INITIAL / AFTER TEST)	20N MAX. 5N MIN.
UNMATING FORCE (INITIAL / AFTER TEST)	20N MAX. 8N MIN. / 20N MAX. 6N MIN.
COPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-2507
TEST REPORT	TR-18060
PACKING STANDARD	PST-18106

Rev.1



Rev.1

Recommended P/N	30115-024E-01
PART NO.	
30115-024E-01	



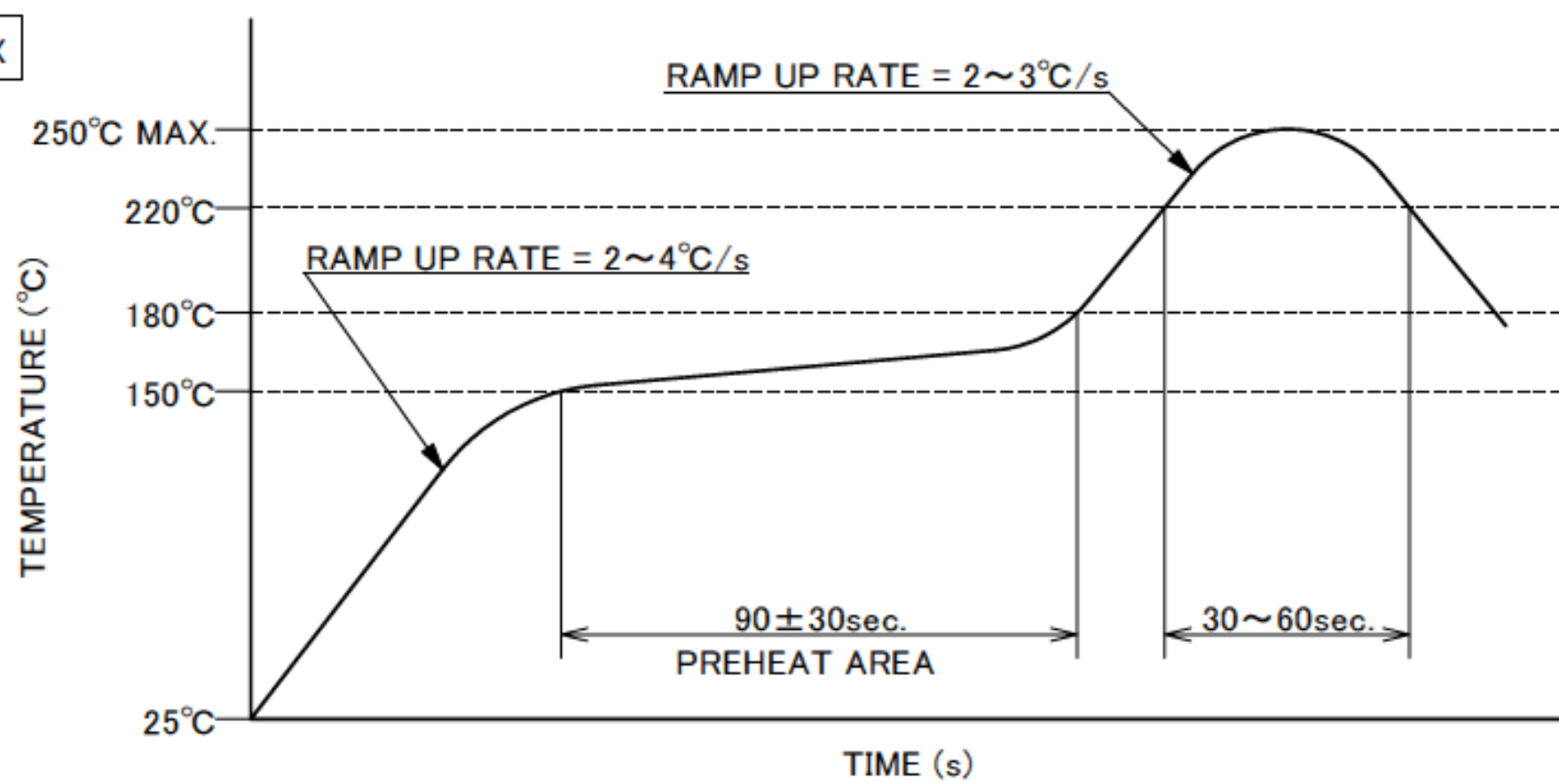
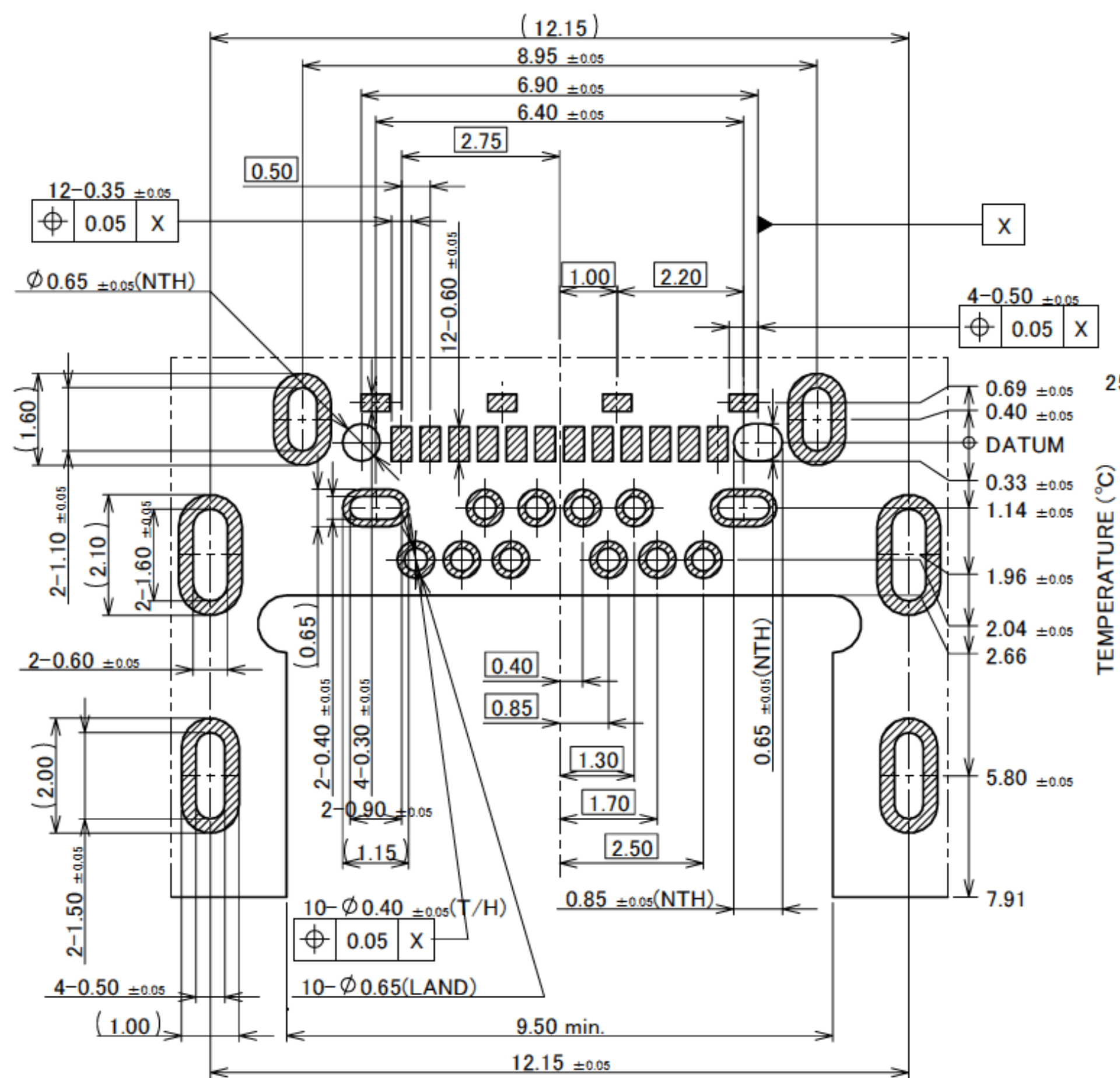
6	CONTACT	COPPER ALLOY	CONTACT AREA Au 0.05 μ m MIN. Pd/Ni 0.75 μ m MIN. SOLDER AREA Sn 1.50~4.00 μ m OVER Ni 2.00~4.00 μ m
5	MATE GROUND	STAINLESS STEEL	Ni 1.27 μ m MIN
4	MID GROUND	STAINLESS STEEL	Ni 1.27 μ m MIN
3	HOUSING	LCP	BLACK, UL94 V-0
2	INNER SHELL	STAINLESS STEEL	Ni 1.50 μ m MIN
1	OUTSIDE SHELL	STAINLESS STEEL	SOLDER AREA Sn 1.27 μ m MIN. OVER Ni 1.50 μ m MIN.
NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS

PIN ASSIGNMENT (Front)

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND	TX1+	TX1-	V _{BUS}	CC1	D+	D-	SBU1	V _{BUS}	RX2-	RX2+	GND
GND	RX1+	RX1-	V _{BUS}	SBU2	D-	D+	CC2	V _{BUS}	TX2-	TX2+	GND
B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1

Rev.1

ITEMS	SPECIFICATION
RATING VOLTAGE	20V MAX.
RATING AMPERAGE (FOR VBUS PIN)	5A AC/DC
OPERATING TEMPERATURE	233~353K(-40°C~+80°C)
CONTACT RESISTANCE	INITIAL : 40mohm MAX. / AFTER TEST : 50mohm MAX.
INSULATION RESISTANCE	100Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC100V 1min
DURABILITY	10,000 CYCLES
MATING FORCE (INITIAL / AFTER TEST)	20N MAX. 5N MIN.
UNMATING FORCE (INITIAL / AFTER TEST)	20N MAX. 8N MIN. / 20N MAX. 6N MIN.
COPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-2507
TEST REPORT	TR-18060
PACKING STANDARD	PST-18106



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

Rev.1

Board to
Board



High-Density



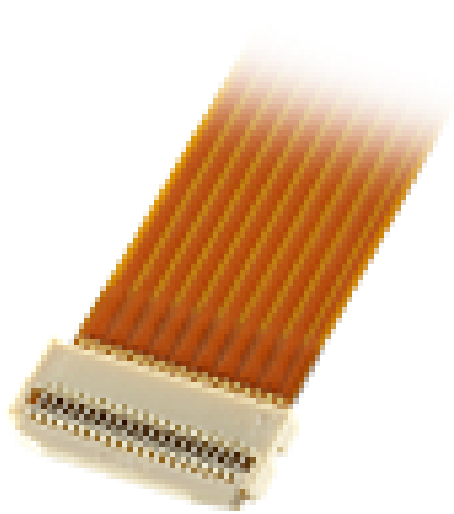
Autolocking
FPC/FFC



High-Density



FPC/FFC



Micro-Coaxial
/ Discrete Cable



High-Speed



RF



High-Frequency



Optical
Module



High-Speed



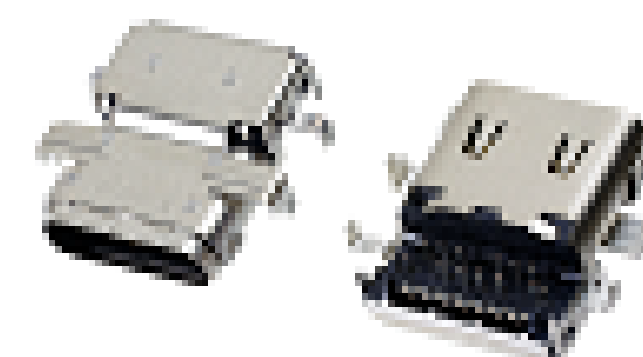
Power



High-Power



I/O
(Input/Output)



Quick charge



Effector



Custom
Connectors
Available

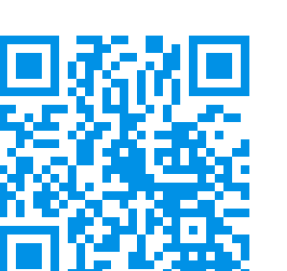
Inquiry



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