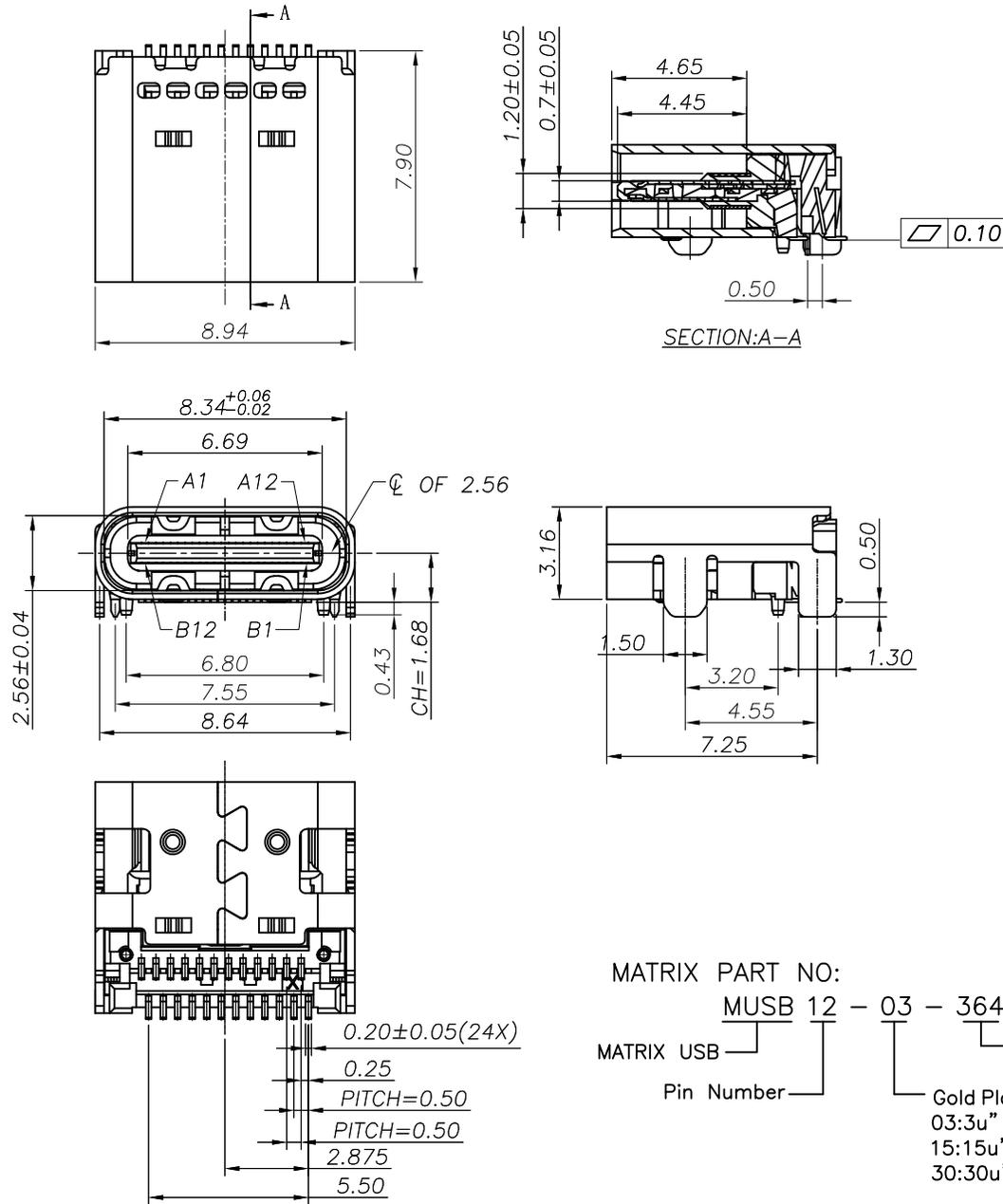


GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2018/09/19	Phebe Su
A1			ADD DIM.	2021/04/17	Ken Lin



NOTE:

- MATERIAL SPECIFICATION:
 - HOUSING: PA9T, UL94 V-0. (BLACK)
 - CONTACTS: COPPER ALLOY
 - MID PLATE & EMI PLATE: STAINLESS STEEL
 - FRONT SHELL: STAINLESS STEEL
- PLATING SPECIFICATION:
 - CONTACTS:
 - Ni 50u" MIN. UNDER PLATED OVER ALL. Au 3u" PLATED ON THE FUNCTIONAL AREA OF CONTACT.
 - FRONT SHELL:
 - Ni 30u" MIN. UNDER PLATED OVER ALL.
 - MID PLATE:
 - Ni 30u" MIN. UNDER PLATED OVER ALL. Sn 80u" MIN. PLATED OVER ALL.
 - EMI PLATE:
 - CLEAR ONLY
- MECHANICAL PERFORMANCE,
 - INSERTION FORCE: 0.5~2.0kgf.
 - REMOVAL FORCE: 0.8kgf~2.0kgf.
 - DURABILITY: 10000 CYCLES.
- ELECTRICAL PERFORMANCE,
 - CURRENT RATING: 5.0A
VOLTAGE RATING: 5.0V
 - LLCR:
 - VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.
SHIELD: 50mΩ/MAX.
LLCR MAX. CHANGE OF ALL PINS: 10mΩ.
 - INSULATION RESISTANCE: 100MΩ MIN
 - DIELECTRIC WITHSTAND VOLTAGE, AC 100V FOR 1 MINUTE.
- ENVIRONMENTAL PERFORMANCE:
 - OPERATING TEMPERATURE: -25°C~+85°C.
- IR REFLOW:
 - THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.

MATRIX PART NO:
MUSB 12 - 03 - 364

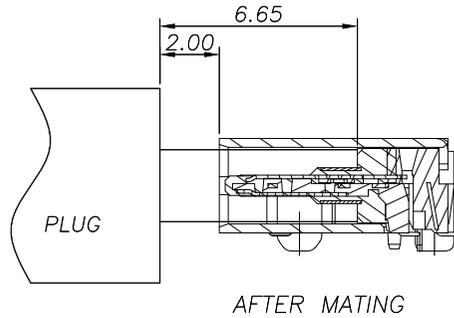
MATRIX USB — Pin Number — Series number — Gold Plating

03: 3u"
 15: 15u"
 30: 30u"

Matrix Electronics Co.,Ltd			
TOLERANCE: X.X ±0.30 X.XX ±0.20 X.XXX ±0.10 ANGLE: ±3°	DESIGN BY : Ken Lin	DATE : 2021/07/05	PART NAME: USB 3.2 Gen 1 Type-C FEMALE R/A, CH=1.68
	CHECKED BY: Janice Liu	DATE : 2021/07/05	PART NO. MUSB12-03-364
	APPROVED BY1: Richard Hsieh	DATE : 2021/07/05	MOLD NO. NA
	APPROVED BY2: Richard Hsieh	DATE : 2021/07/05	DRAW NO.
SCALE: 1:1 SIZE: A4			SHEET NO. 1 OF 2

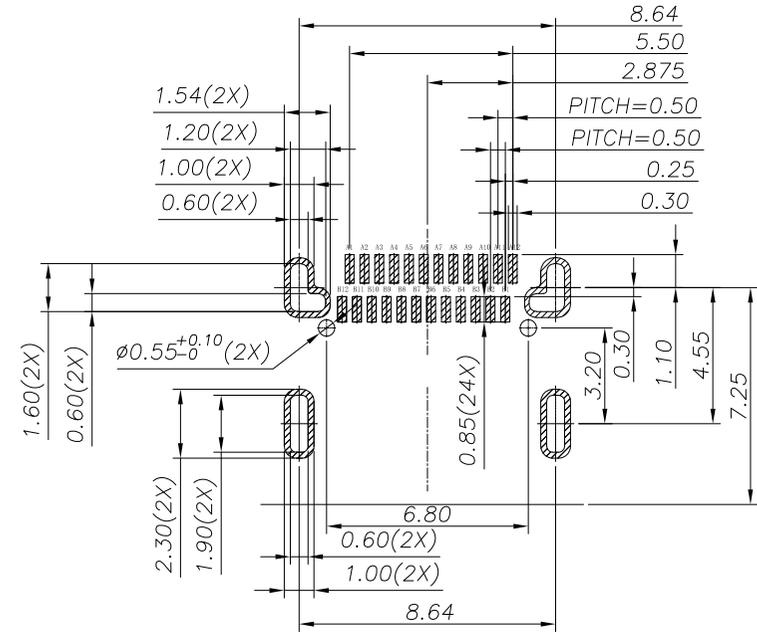
GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2018/09/19	Phebe Su
A1			ADD DIM.	2021/04/17	Ken Lin



USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A2	SSTXp1	B11	SSRXp1
A3	SSTXn1	B10	SSRXn1
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A10	SSRXn2	B3	SSTXn2
A11	SSRXp2	B2	SSTXp2
A12	GND	B1	GND



RECOMMENDED PCB LAYOUT(TOP VIEW)
THICKNESS 0.60MM;DEFAULT TOLERANCE:±0.05



Matrix Electronics Co.,Ltd

TOLERANCE: X.X ±0.30 X.XX ±0.20 X.XXX ±0.10 ANGLE: ±3°	DESIGN BY : Hanson Huang	DATE : 2021/07/05	PART NAME: USB 3.2 Gen1 Type-C FEMALE R/A, CH=1.68
APPROVED BY1: Richard Hsieh	CHECKED BY: Janice Liu	DATE : 2021/07/05	PART NO. MUSB12-03-364
APPROVED BY2: Richard Hsieh	DATE : 2021/07/05	MOLD NO. NA	DRAW NO.
SCALE:1:1 SIZE:A4	DATE : 2021/07/05	SHEET NO.	2 OF 2