

	EXCEL CELL ELECTRONIC CO. , LTD.	NO.	A31269		
SPECIFICATION		Edition	1	page	1

UNIVERSAL SERIAL BUS CONNECTORS
MINI USB CONNECTOR
ESB 3 SERIES

1.MATERIAL:

- TERMINAL-COPPER ALLOY
- SHIELD-BRASS OR SPCC
- HOUSING-LCP UL 94V-0

2.PLATING

- CONTACT AREA-SELECTIVE GOLD PLATING
- TAILS-TIN PLATING OVER NICKEL
- SHIELD-NICKEL PLATING

3.ELECTRICAL

- VOLTAGE RATING: 30 VAC RMS.
- CURRENT RATING: 1.0 AMP
- CONTACT RESISTANCE: 50 MILLIOHMS MAX
- INSULATION RESISTANCE: 1000 MEGOHMS MIN @500 VDC
- DIELETRIC STRENGTH: 100 VAC RMS 60 HZ, 1 MIN
- OPERATING LIFE:2000 CYCLES MIN
- STORAGE:-40℃ TO+ 85℃
- OPERATION:-40℃ TO+ 85℃
- WAVE SOLDERING TEMPERATURE 250-260(3~5 SECONDS)
- ROHS COMPLIANT



SPECIFICATION

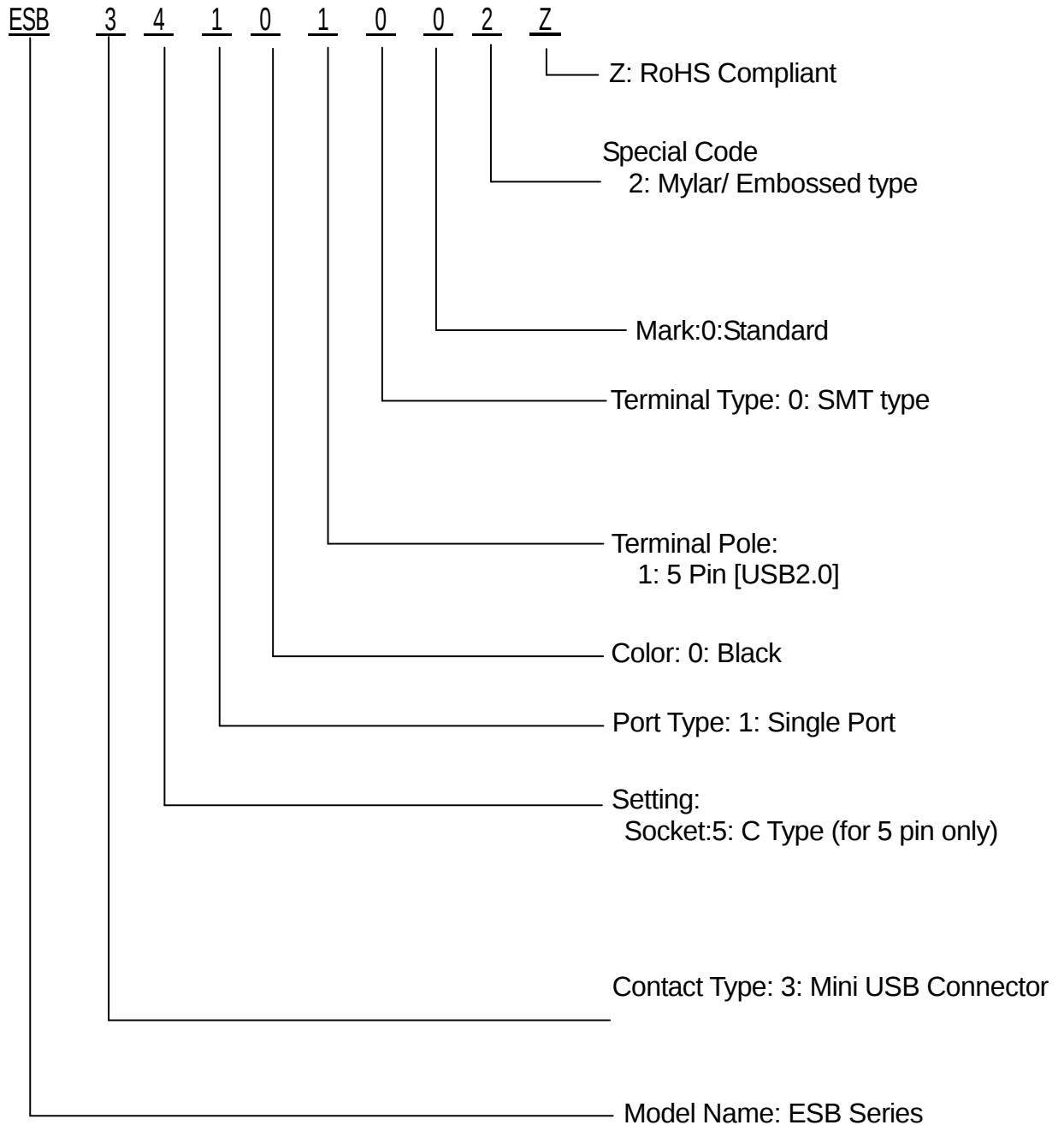
Edition

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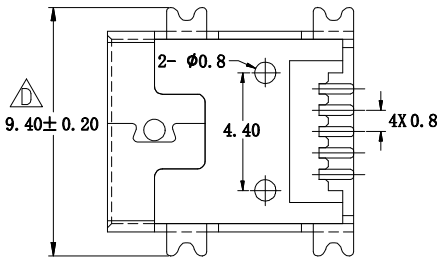
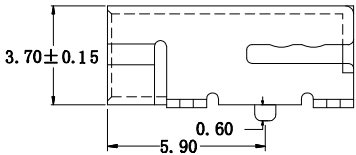
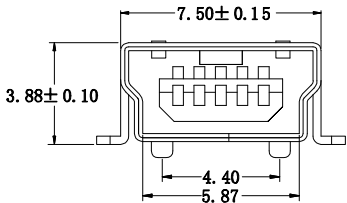
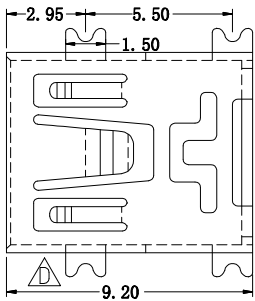
page

2

PART NUMBERING SYSTEM



PART NUMBER	ESB34101002Z 838C360SJU55B0102F
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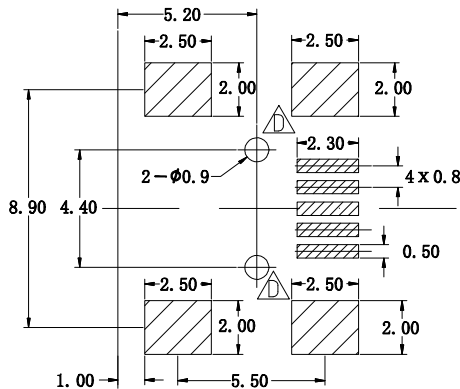
NOTES:

1.MATERIAL:
TERMINAL-COPPER ALLOY.
SHIELD-BRASS OR SPCC
HOUSING-LCP UL94V-0.

2.PLATING:
CONTACT AREA-SELECTIVE GOLD PLATING.
TAILS-TIN PLATING OVER NICKEL.
SHIELD-NICKEL PLATING.

3.ELECTRICAL:
VOLTAGE RATING: 30 VAC RMS.
CURRENT RATING: 1.0 AMP
CONTACT RESISTANCE: 50 MILLIOHMS MAX
INSULATION RESISTANCE: 1000 MEGOHMS MIN @500 VDC
DIELECTRIC STRENGTH: 100 VAC RMS 60 HZ, 1 MIN
OPERATING LIFE: 2000 CYCLES MIN
STORAGE: -40°C TO +85°C
OPERATION: -40°C TO +85°C
WAVE SOLDERING TEMPERATURE 250-260(3~5 SECONDS)
ROHS COMPLIANT.

VER.	DATE	MOD. NO.	DESCRIPTION	DRA.	CHE.	APP.
B	2022.09.29		NOTES REVIST	YI-CHIEH CHANG	GARY KUO	GARY KUO
C	2023.03.16		CHANG PART NUMBER	XIU-CHUN ZHANG	GARY KUO	GARY KUO
D	2023.05.10		SIZE MODIFICATION &CHANG PART NUMBER	XIU-CHUN ZHANG	GARY KUO	GARY KUO
E	2024.03.07		Material number integration	TZU YEN HSU	GARY KUO	GARY KUO



RECOMMENDED PCB LAYOUT

GENERAL TOLERANCE	DATE	2023.03.16	UNIT	mm	DRAWER	XIU-CHUN ZHANG	SERIES	ESB3	FLASH			
X. ±0.3 X.X ±0.2 X.XX ±0.1	SCALE	5:1			CHECKER	GARY KUO	TITLE ESB34		 EXCEL CELL ELECTRONIC CO., LTD.			
ANGLE	ASSEMBLY NO.					APPROVER						GARY KUO
X. ±5° X.X ±2.5°	REFERENCE								DRAWING NO. 838C360SJU55B0X02X-SD.dwg			
							FRAME	A3	REVISION	D	SH.	1 OF 1