

F

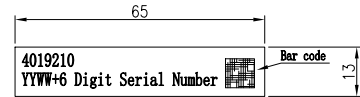
E

D

C

B

A



LABEL dimension L65*W13(Bar code $\geq$ 8*8mm)

40 Digit Bar Code:

4019210_ _ _ _ _ +67346A+000001+REV+_ _ _ _ _

Spaces*8

6 Digit Serial Number

Spaces*11

Drawing REV

SPECIFICATIONS:

1. ELECTRICAL CHARACTERISTICS:

- 1-1. INPUT VOLTAGE RATING: 9V~16V
- 1-2. MAXIMUM INPUT CURRENT RATING: 3A
- 1-3. OUTPUT VOLTAGE: 4.55V~5.25V
- 1-4. REVERSE VOLTAGE POLARITY CAPABILITY
AND MAXIMUM REVERSE VOLTAGE:-14 Vdc, 5 MINUTE DURATION
- 1-5. MAXIMUM OUTPUT CURRENT: 4.2A(2.1A+2.1A)
- 1-6. MAXIMUM IN-RUSH CURRENT RATING : 21A (INSTANTANEOUS PEAK)
- 1-7. STORAGE TEMPERATURE RATINGS: -40°C~+85°C
- 1-8. OPERATING TEMPERATURE RATINGS: -20°C~+50°C
1-8a. OPERATIONAL AND TESTED UP TO +75°C.WARRANTED UP TO +50°C.
- 1-9.Conforms to ENG-SPEC-01565 Except: A~F
- 1-10.Conforms to ISO 16750-2 section 4.6.3,

Starting Profile,Table 3 Level I(not Level II)

A.Temperature cycling: Tmin=-20°C; Tmax=50°C

B.Thermal shock: Tmin= -20°C; Tmax=50°C

C.Humidity/Temp Cyclic: Tmin=-20°C; Tmax=50°C

D.Operating Voltage: Tmin=-20°C; Tmax=50°C

E.ESD: Powered = $\pm$ 4kV; Handling = $\pm$ 8kV

F.Wire type is UL2464,Not TXL.

2. LIFE TEST: 5,000 CYCLES.

3. RoHS COMPLIANT

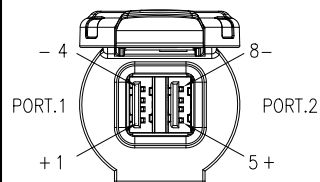
4. NORMALLY OPEN SPRING CAP

5. NET WEIGHT OF FINISHED PRODUCT: 82 $\pm$ 3g/set $\triangle$

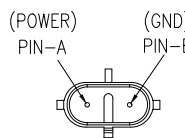
6. THE FLAMMABILITY OF THE MATERIAL CONFORMS TO UL94 V-1

7. PRODUCT Ingress Protection RATING: IP67

8. Passes Class C, Not Class B for Inductive Load Testing



CAP OPEN



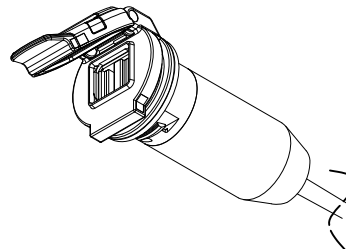
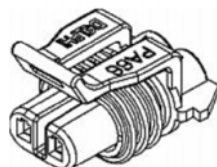
Pin Assignments

NOTE:

RECOMMENDED MATING CONNECTOR.(Aptiv)

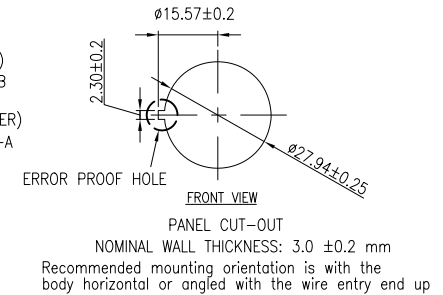
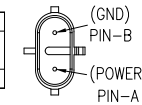
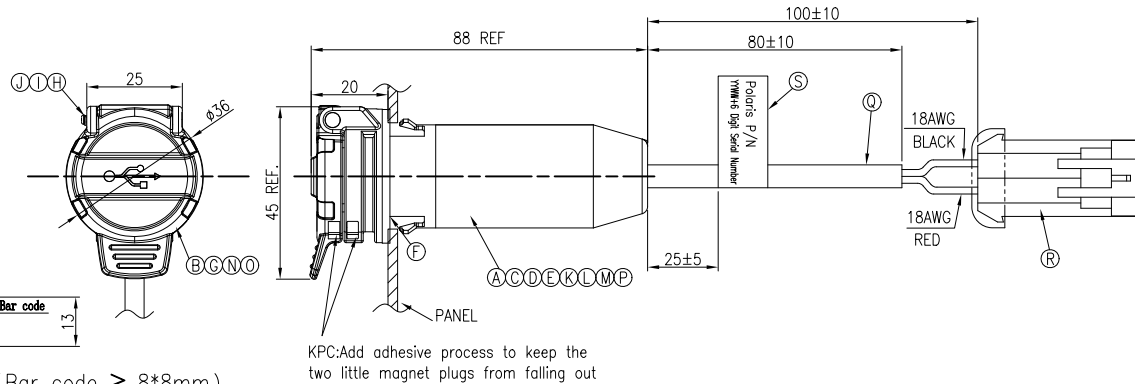
HOUSING PN:12052641 (NYLON)

TERMINAL PN:12045773



3D VIEW

REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PDR NO:T200710-1A	MF	2022.06.30
B	ECN NO:S202208-C20	RZ	2023.01.04
C	ECN NO:S202601-C17	WJ	2026.02.11



S	LABEL	1	PET L65*W13	SILIVER
R	Aptiv-RING	2	RUBBER-15324973	RED
	Aptiv-CAP	1	NYLON-12077755	BLACK
	Aptiv-TERMINAL	2	BRASS-15344866	TIN PLATED
	Aptiv-HOUSING	1	NYLON-12162000	BLACK
Q	CABLE	1	UL2464 18AWG*2C+AL+D+B UV OD6.0mm	BLACK
P	ROUND TUBE	1	PC	BLACK
O	STOPPER	2	PVC	BLACK
N	MAGNET	2	NdFeB	NICKEL PLATED
M	GLUE	1	UV-8861	BLACK
L	USB(singatron)	1	Dual USB2.0 TYPE A	CONTACT G/F PLATING
K	PCBA	1	FR-4 WITH ELECTRONIC KIT	SG P/N:4UB3005-W00016
J	AXIS	1	SUS	NATURAL
I	SPRING	1	SUS	NATURAL
H	E-RING	1	SUS	NATURAL
G	CAP GASKET	1	SILICONE	BLACK
F	GASKET	1	SILICONE	BLACK
E	OVER MOLD	1	TPU	BLACK
D	INNER MOLD	1	TPU	NATURAL
C	COVER	1	ABS	NATURAL
B	CAP	1	PC	BLACK
A	BODY	1	PC	BLACK
NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR

UNLESS OTHERWISE SPECIFIED TOLERANCES

DECIMALS: ANGLES:
X $\pm$ 0.5 X $\pm$ 2°
X.X $\pm$ 0.3 X.X $\pm$ 1°
X.XX $\pm$ 0.2

Suzhou Singatron Auto Electronics CO.,LTD.
蘇州信音汽車電子有限公司

TITLE	WATERPROOF USB CAR CHARGER BC-V1.2		
DWN	WJ	PART NO.2CH3001-W05415H	
CHKD	ALLEN	SCALE 1:1 UNIT: mm	
APVD	LIAO	SIZE: A3 SHEET:1 OF 1	REV: C
CUSTOMER COPY			