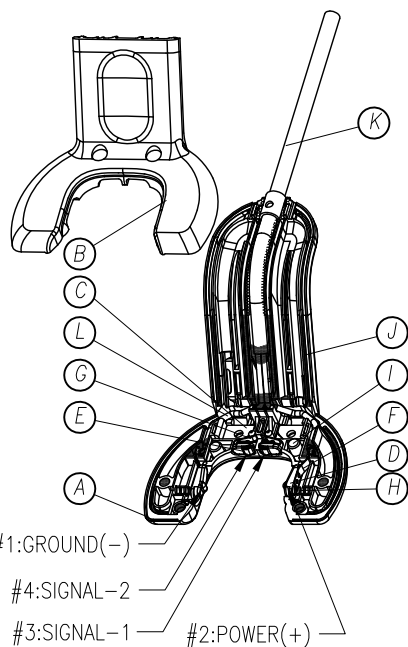
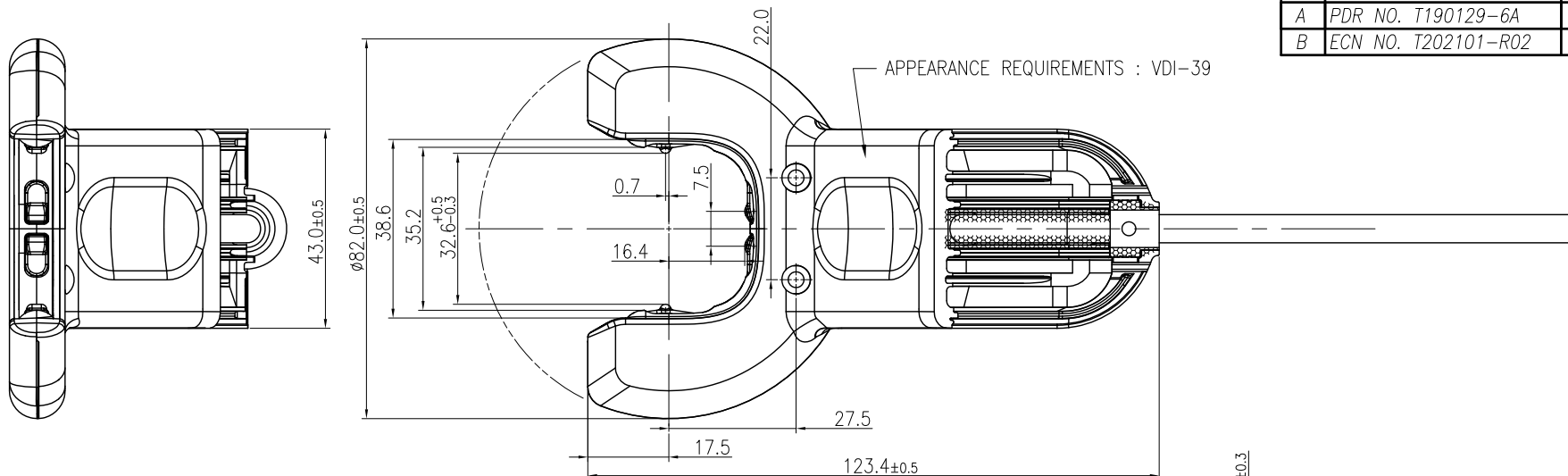


REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PDR NO. T190129-6A	Rex	2020.12.14
B	ECN NO. T202101-R02	Elrod	2022.04.29



POWER CONNECTOR

SPECIFICATIONS:

1. ELECTRICAL CHARACTERISTICS:

1-1. RATING: 50V 2A

1-2. CONDUCTOR RESISTANCE: 100mΩ MAX./PER PIN (ADD WIRE)
CONTACT RESISTANCE: INITIAL 60mΩ MAX.
(MATING WITH MOTOR SIDE ; NOT INCLUDED WIRE)

1-3. DIELECTRIC WITHSTANDING VOLTAGE: 500V DC FOR ONE MINUTE.

1-4. INSULATION RESISTANCE: 100MΩ MIN. MEASURED BY 500 VDC

2. MECHANICAL CHARACTERISTICS:

2-1. MATING FORCE: 5.0 Kgf MAX.

2-2. UNMATING FORCE: 1.0Kgf MIN.

3. CONNECTOR LIFE TIME: 5,000 CYCLES.

L	HEAT SHRINK TUBE	2	POLYOLEFIN	BLACK
K	SR (CONNECTOR SIDE)	1	PVC , 80A	BLACK
J	LIQUID GLUE	1	EPOXY	BLACK
I	MAGNET	2	NdFeB	NICKEL PLATED
H	RETURN SPRING	2	STAINLESS STEEL	N/A
G	SIGNAL SPRING	2	STAINLESS STEEL	NICKEL PLATED
F	POWER SPRING	2	STAINLESS STEEL	NICKEL PLATED
E	SIGNAL TERMINAL	2	STAINLESS STEEL	NICKEL PLATED
D	POWER TERMINAL	2	STAINLESS STEEL	NICKEL PLATED
C	FIXED PLATE	2	STAINLESS STEEL	NICKEL PLATED
B	TOP COVER	1	NYLON-66 + 30%GF	BLACK
A	BOTTOM COVER	1	NYLON-66 + 30%GF	BLACK
NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR

UNLESS OTHERWISE SPECIFIED TOLERANCES

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

DECIMALS: ANGLES:

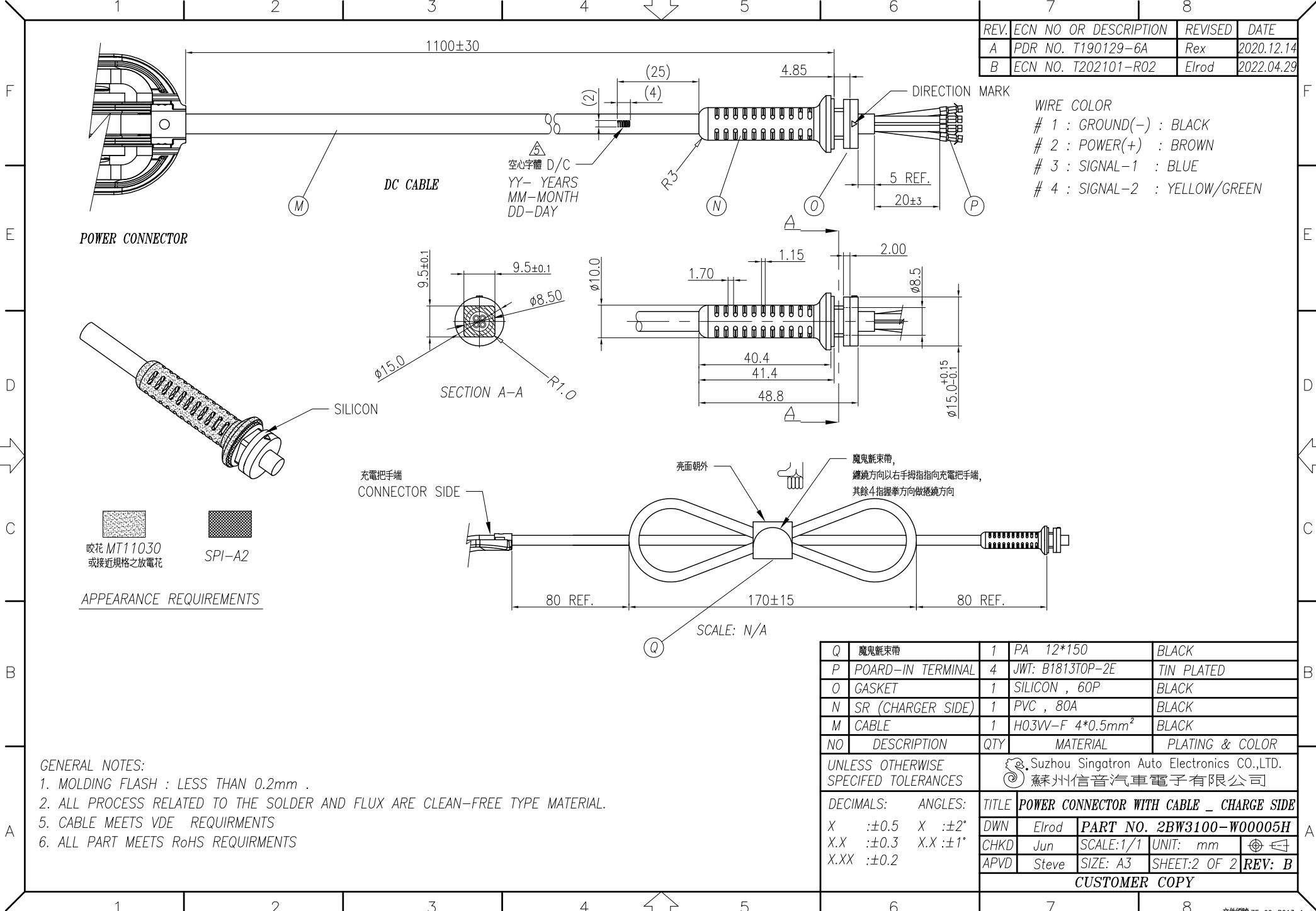
X :±0.5 X :±2°

X.X :±0.3 X.X :±1°

X.XX :±0.2

TITLE	POWER CONNECTOR WITH CABLE _ CHARGE SIDE
DWN	Elrod PART NO. 2BW3100-W00005H
CHKD	Jun SCALE: 1/1 UNIT: mm
APVD	Steve SIZE: A3 SHEET:1 OF 2 REV: B

CUSTOMER COPY



REV.	ECN NO OR DESCRIPTION	REVISED	DATE
A	PDR NO. T190129-6A	Rex	2020.12.14
B	ECN NO. T202101-R02	Elrod	2022.04.29

WIRE COLOR
1 : GROUND(-) : BLACK
2 : POWER(+) : BROWN
3 : SIGNAL-1 : BLUE
4 : SIGNAL-2 : YELLOW/GREEN



APPEARANCE REQUIREMENTS

GENERAL NOTES:
1. MOLDING FLASH : LESS THAN 0.2mm .
2. ALL PROCESS RELATED TO THE SOLDER AND FLUX ARE CLEAN-FREE TYPE MATERIAL.
5. CABLE MEETS VDE REQUIRMENTS
6. ALL PART MEETS RoHS REQUIRMENTS

Q	魔鬼氈束帶	1	PA 12*150	BLACK
P	POARD-IN TERMINAL	4	JWT: B1813TOP-2E	TIN PLATED
O	GASKET	1	SILICON , 60P	BLACK
N	SR (CHARGER SIDE)	1	PVC , 80A	BLACK
M	CABLE	1	H03VV-F 4*0.5mm ²	BLACK
NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
UNLESS OTHERWISE SPECIFIED TOLERANCES			Suzhou Singatron Auto Electronics CO.,LTD. 蘇州信音汽車電子有限公司	
DECIMALS:		ANGLES:		TITLE
X :±0.5		X :±2°		DWN
X.X :±0.3		X.X :±1°		CHKD
X.XX :±0.2				APVD
			POWER CONNECTOR WITH CABLE _ CHARGE SIDE	
			Elrod	PART NO. 2BW3100-W00005H
			Jun	SCALE:1/1 UNIT: mm
			Steve	SIZE: A3 SHEET:2 OF 2 REV: B
CUSTOMER COPY				