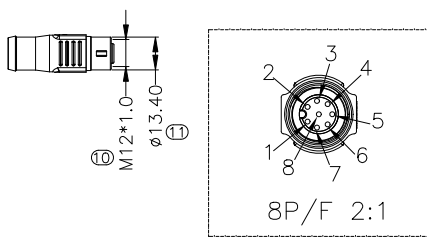
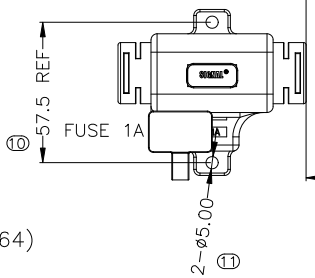
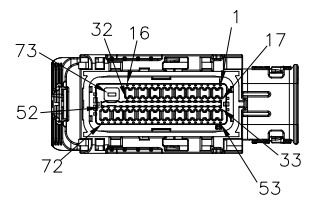
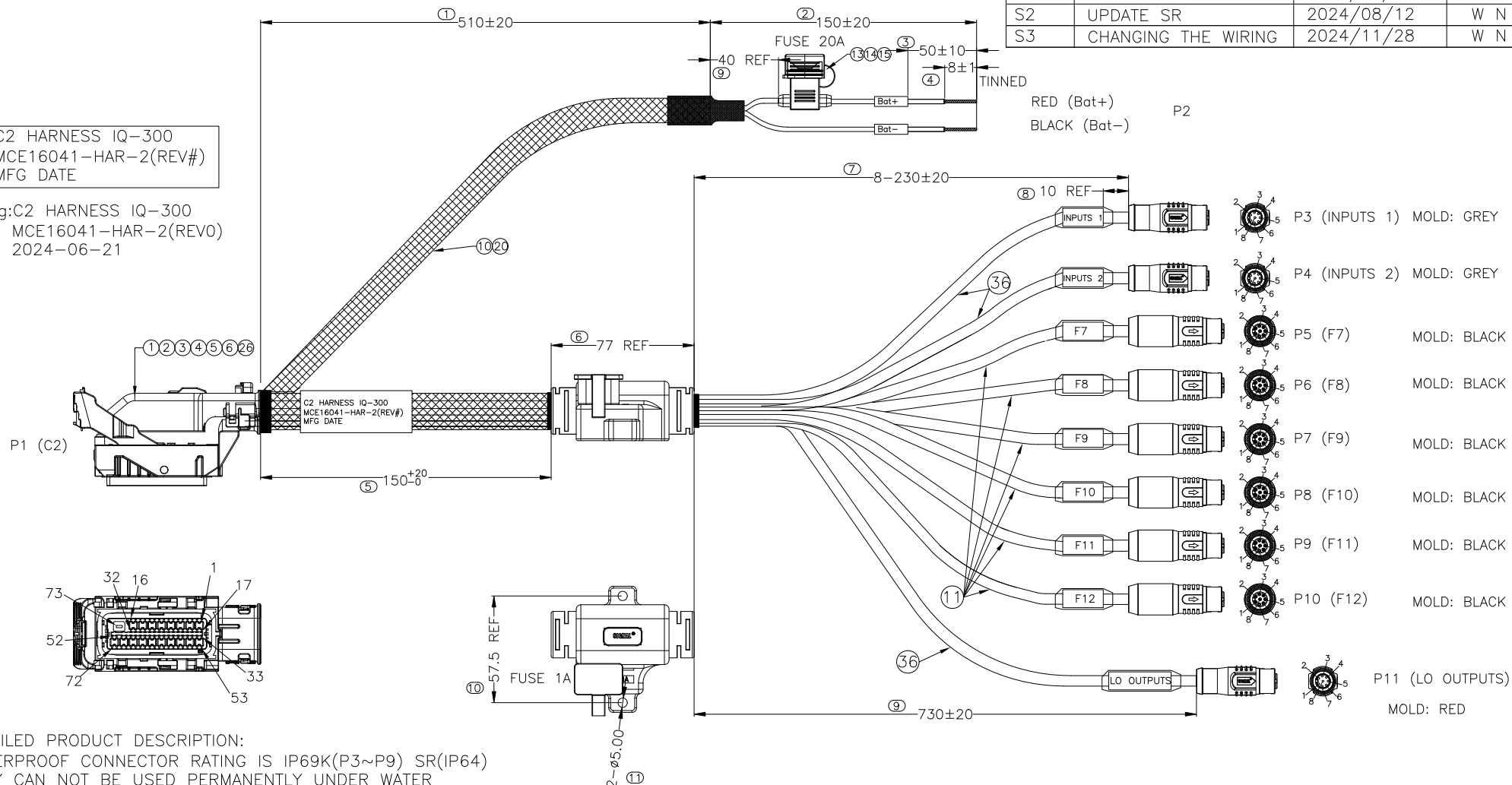


PROJECT NO:
SGNW2403021

REV	DESCRIPTION	DATE	APPROVED
S0	CREATED DRAWING	2024/03/05	W N
S1	UPDATE DRAWING	2024/06/05	W N
S2	UPDATE SR	2024/08/12	W N
S3	CHANGING THE WIRING	2024/11/28	W N

C2 HARNESS IQ-300
MCE16041-HAR-2(REV#)
MFG DATE

Eg: C2 HARNESS IQ-300
MCE16041-HAR-2(REV0)
2024-06-21



DETAILED PRODUCT DESCRIPTION:
WATERPROOF CONNECTOR RATING IS IP69K(P3~P9) SR(IP64)
THEY CAN NOT BE USED PERMANENTLY UNDER WATER
PER ISO-20653,IEC60529
DESTRUCTIVE WITHSTAND FORCE BETWEEN CONNECTOR AND
OVERMOLD EXCEEDS 5.0KGF.

OPERATING TEMPERATURE: -40°C ~ +80°C

- TESTING CONDITIONS:
- VOLTAGE: 300V DC/0.1S.
 - INSULATION RESISTANCE: 10 Mohms min.
 - CONDUCTIVE RESISTANCE: 5 Ohms max.
 - 100% OPEN AND SHORT ELECTRICAL TEST.

*ALL MATERIALS ARE RoHS COMPLIANT.

SIGNAL [®] Shenzhen Signal Electronics co.,Ltd		TITLE C2 HARNESS	
		SGN NO 940000-00-1412	REV. S3
DRAWN BY	DATE	DWG NO SGNW2403021-2-1959	S3
CHECKED BY	DATE	CUSTOMER MCE16041-HAR-2	
CHECKED BY	DATE	TOLERANCES ARE:	
APPROVED BY	DATE	DECIMALES	ANGLES
<small>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SIGNAL COMPANY. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF SIGNAL COMPANY IS PROHIBITED.</small>		.x ±0.5	x.' ±2.0'
		.xx ±0.20	.x' ±1.0'
		THIRD ANGLE PROJECTION	
		SIZE: A4	UNITS: mm
		SCALE: 1:1	SHEET: 1 OF 3

PROJECT NO:					REV		DESCRIPTION		DATE		APPROVED	
SGNW2403021					S0		CREATED DRAWING		2024/03/05		W N	
					S1		UPDATE DRAWING		2024/06/05		W N	
					S2		UPDATE SR		2024/08/12		W N	
					S3		CHANGING THE WIRING		2024/11/28		W N	
1	38	LB00007	LILONG LABEL 25*45mm	1	PCS							
	37	YDDI0004	DIODES 1N5408	12	PCS							
	36	YDCA0845	UL20549 20AWG*8C JACKET PUR BLACK OD6.5MM	3	PCS							
2	35	YDHT0096	BRAIDED METAL Ø10.0mm L=180mm	1	PCS							
	34	HT00029-1	WHITE HEAT SHRINK TUBE Ø2.5MM L=10MM	39	PCS							
	33	CA00729	UL1569 18AWG HOOK-UP WIRE BLACK	1	PCS							
	32	CA00728	UL1569 18AWG HOOK-UP WIRE RED	1	PCS							
	31	CA01445	UL1569 20AWG HOOK-UP WIRE GREY	15	PCS							
3	30	CA00799	UL1569 20AWG HOOK-UP WIRE BLUE	24	PCS							
	29	N/A	RED TPU (PL00070+YDPL0061)	6	g							
	28	N/A	GREY TPU (PL00070+PL00125)	12	g							
	27	N/A	M12 PUSH-PULL CONNECTOR CAP	9	PCS							
	26	CT00011	NYLON CABLE TIE BLACK 3*100MM	1	PCS							
	25	HT00032	WHITE HEAT SHRINK TUBE Ø8.0MM L=10MM	8	PCS							
4	24	HT00055-1	WHITE HEAT SHRINK TUBE Ø3.0MM L=10MM	2	PCS							
	23	HT00049	BLACK HEAT SHRINK TUBE WITH GLUE Ø15.0MM L=50mm	2	PCS							
	22	HT00030-1	BLACK HEAT SHRINK TUBE WITH GLUE Ø9.5MM L=40mm	1	PCS							
	21	YDHT0076	WOVEN MESH TUBE BLACK NYLON Ø13MM L=200mm	1	PCS							
	20	HT00059	WOVEN MESH TUBE BLACK NYLON Ø10MM L=530mm	1	PCS							
5	19	YDPC0166	PCB	1	PCS							
	18	FU00029	1A FUSE BLADE (TO 110 FEMALE) BLACK	1	PCS							
	17	FU00024	MINI FUSE HOLDER FKY-0297	1	PCS							
	16	PL00007	HD-PE	20	g							
	15	PL00011	BLACK PVC 45P	32	g							
	14	TE00726	110 T=0.8MM FEMALE TERMINALS	2	PCS							
6	13	FU00031	FUSE 20A	1	PCS							
	12	TK00189	COPPER TUBE Ø5.0*7.7mm L=11.5mm	2	PCS							
	11	YDCA0844	UL20549 20AWG*3C JACKET PUR BLACK OD4.6MM	6	PCS							
	10	YDCA0839	UL20549 14AWG*2C+AEB JACKET PUR BLACK OD8.5MM	1	PCS							
	9	PL00004	BLACK TPU	36	g							
7	8	PL00106	AMBER TRANSPARENT LOW-PRESSURE INJECTION MOLDING COMPOUND	15	g							
	7	N/A	M12 A 8P/F CONNECTOR SELF-LOCKING PUSH-PULL STAINLESS STEEL	9	SET							
	6	YDCN1405	Grommet Seal Plug 0.64MM MOLEX:34586-0001	39	PCS							
	5	YDOR0276	Accessories 2.8MM Yazaki:7158-3113-40	1	PCS							
	4	YDTE1455	TERMINALS 2.8MM Yazaki:7116-4152-02	1	PCS							
	3	YDTE1454	TERMINALS 0.64MM 0.5~0.75mm ² MOLEX:33467-0024	33	PCS							
8	2	YDCN1278	MX123 MOLEX:345650003	1	PCS							
	1	YDWK0902	PH2.54mm, MX123 Female Housing 73P MOLEX:345660103	1	PCS							
	ITEM	PART NO.	SPECIFICATION	Q'TY	UNIT							

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S2	UPDATE SR	2024/08/12	W N
S3	CHANGING THE WIRING	2024/11/28	W N

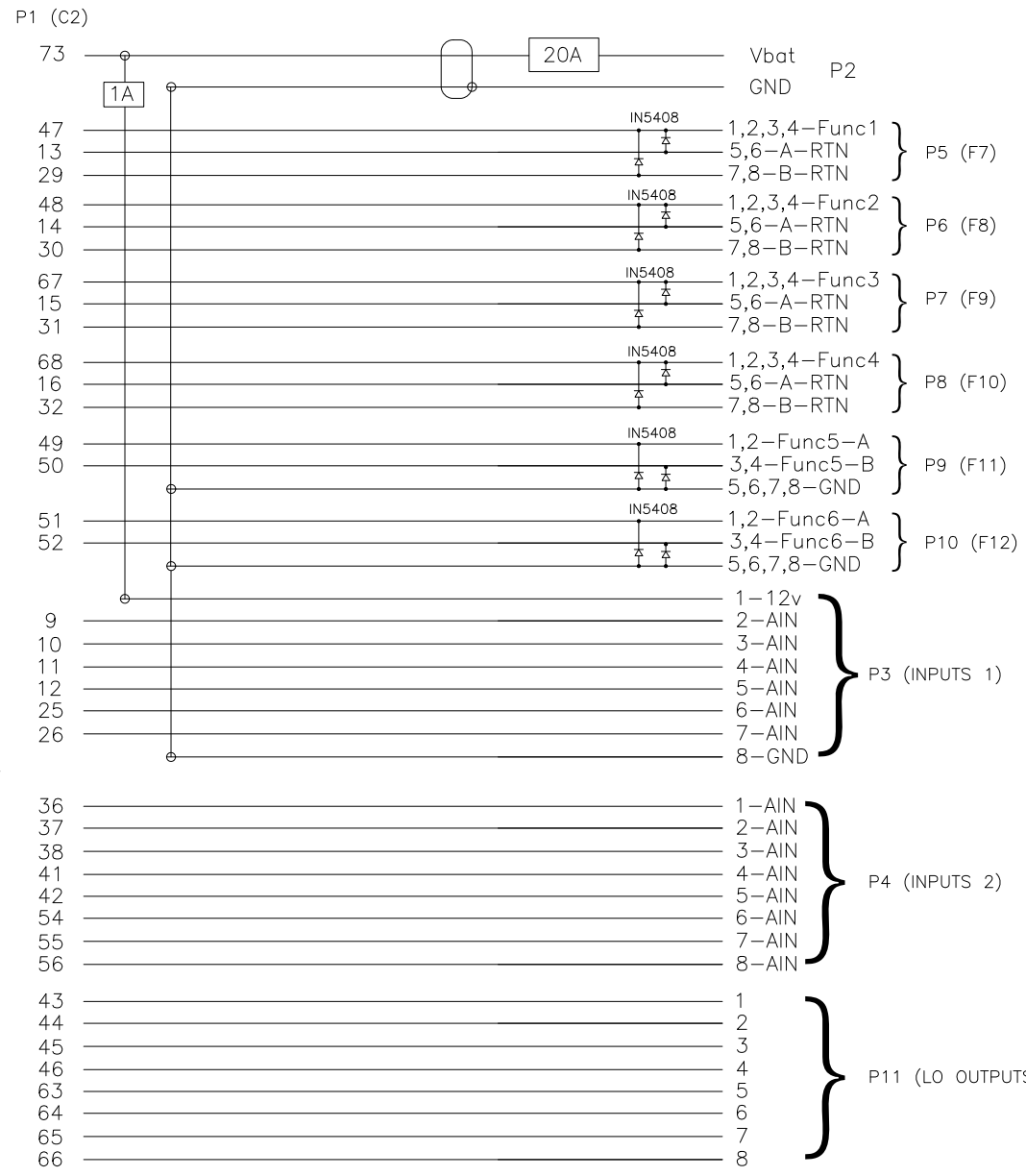


TITLE		C2 HARNESS	
SGN NO	940000-00-1412	REV.	
DWG NO	SGNW2403021-2-1959		
CUSTOMER	MCE16041-HAR-2		S3
TOLERANCES ARE:		THIRD ANGLE PROJECTION	
DECIMALES	ANGLES	SIZE: A4	UNITS: mm
.x ±0.5	x.' ±2.0'	SCALE: 1:1	SHEET: 2 OF 3
.xx ±0.20	.x' ±1.0'		

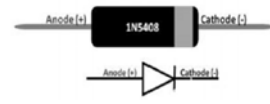
PROJECT NO:
SGNW2403021

REV	DESCRIPTION	DATE	APPROVED
S0	CREATED DRAWING	2024/03/05	W N
S1	UPDATE DRAWING	2024/06/05	W N
S2	UPDATE SR	2024/08/12	W N
S3	CHANGING THE WIRING	2024/11/28	W N

WIRE LIST



WELDING SCHEMATIC:



S1

S3

S3

SIGNAL [®] Shenzhen Signal Electronics co.,Ltd		TITLE	
		C2 HARNESS	
DRAWN BY	DATE	SGN NO	940000-00-1412
CHECKED BY	DATE	DWG NO	SGNW2403021-2-1959
CHECKED BY	DATE	CUSTOMER	MCE16041-HAR-2
APPROVED BY	DATE	TOLERANCES ARE:	THIRD ANGLE PROJECTION
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		.x ±0.5	x.' ±2.0°
		.xx ±0.20	.x' ±1.0°
		SCALE: 1:1	UNITS: mm
		SHEET: 3 OF 3	

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