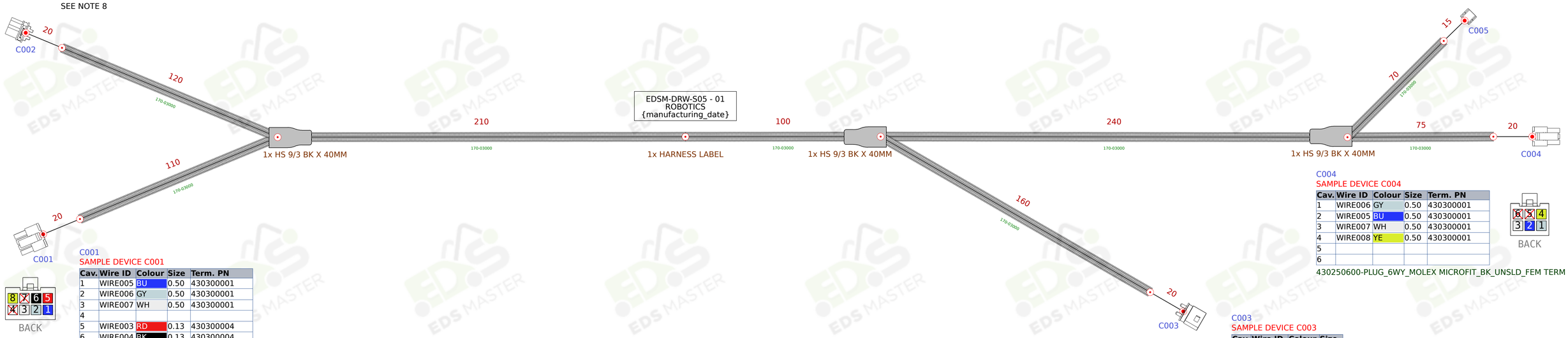
CHANGE LOG TABLE

Revision	Change Details	Date	Changed By
01	INITIAL RELEASE	18/11/2025	PETER PARKER

C002
SAMPLE DEVICE C002

Cav.	Wire ID	Colour	Size
1	WIRE001	RD	1.50
2	WIRE002	BK	1.50

XT30U-F-REC_2WY_AMASS XT30_YE_UNSLD_MALE TERM
2x HSA 3/1 BK X 25MM
SEE NOTE 8



C001
SAMPLE DEVICE C001

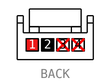
Cav.	Wire ID	Colour	Size	Term. PN
1	WIRE005	BU	0.50	430300001
2	WIRE006	GY	0.50	430300001
3	WIRE007	WH	0.50	430300001
4				
5	WIRE003	RD	0.13	430300004
6	WIRE004	BK	0.13	430300004
7				
8	WIRE008	YE	0.50	430300001

430250800-PLUG_8WY_MOLEX MICROFIT_BK_UNSLD_FEM TERM

C005
SAMPLE DEVICE C005

Cav.	Wire ID	Colour	Size	Term. PN
1	WIRE003	RD	0.13	SSHL-002T-P0.2
2	WIRE004	BK	0.13	SSHL-002T-P0.2
3				
4				

GHR-04V-S-PLUG_4WY_JST_NAT_UNSLD_FEM TERM



C004
SAMPLE DEVICE C004

Cav.	Wire ID	Colour	Size	Term. PN
1	WIRE006	GY	0.50	430300001
2	WIRE005	BU	0.50	430300001
3	WIRE007	WH	0.50	430300001
4	WIRE008	YE	0.50	430300001
5				
6				

430250600-PLUG_6WY_MOLEX MICROFIT_BK_UNSLD_FEM TERM

C003
SAMPLE DEVICE C003

Cav.	Wire ID	Colour	Size
1	WIRE001	RD	1.50
2	WIRE002	BK	1.50

XT30U-M-PLUG_ 2WY_AMASS XT30_YE_UNSLD
2x HSA 3/1 BK X 25MM
SEE NOTE 8

WIRE TABLE

S.No	Wire ID	Part Number	Colour	Gauge	Length (mm)	From Con.	From Cav.	From Loc.	From Term.	To Con.	To Cav.	To Loc.	To Term.
1	WIRE001	WIRE_RD_1.5_FLRY	RD	1.5	630	C003	1	13D		C002	1	1B	
2	WIRE002	WIRE_BK_1.5_FLRY	BK	1.5	630	C003	2	13D		C002	2	1B	
3	WIRE003	WIRE_RD_0.13_FLMY	RD	26	765	C005	1	15B	SSHL-002T-P0.2	C001	5	1D	430300004
4	WIRE004	WIRE_BK_0.13_FLMY	BK	26	765	C005	2	15B	SSHL-002T-P0.2	C001	6	1D	430300004
5	WIRE005	WIRE_BL_0.5_FLRY	BU	0.5	775	C001	1	1D	430300001	C004	2	16C	430300001
6	WIRE006	WIRE_GY_0.5_FLRY	GY	0.5	775	C001	2	1D	430300001	C004	1	16C	430300001
7	WIRE007	WIRE_WH_0.5_FLRY	WH	0.5	775	C001	3	1D	430300001	C004	3	16C	430300001
8	WIRE008	WIRE_YE_0.5_FLRY	YE	0.5	775	C001	8	1D	430300001	C004	4	16C	430300001

ALL - BILL OF MATERIALS

S.No	Qty.	Length (mm)	Part No.	Comp Type	Description	Supplier Name	Location
1	1		XT30U-M	Connector	PLUG_ 2WY_AMASS XT30_YE_UNSLD	AMASS	13D(1)
2	1		430250800	Connector	PLUG_8WY_MOLEX MICROFIT_BK_UNSLD_FEM TERM	MOLEX	1D(1)
3	1		430250600	Connector	PLUG_6WY_MOLEX MICROFIT_BK_UNSLD_FEM TERM	MOLEX	16C(1)
4	1		GHR-04V-S	Connector	PLUG_4WY_JST_NAT_UNSLD_FEM TERM	JST COMMERCIAL	15B(1)
5	1		XT30U-F	Connector	REC_2WY_AMASS XT30_YE_UNSLD_MALE TERM	AMASS	1B(1)
6	1		HARNESS LABEL	Harness node attach part	HARNESS LABEL	GENERIC PART	8C(1)
7	3		HS 9/3 BK X 40MM	Harness node attach part	HEAT-SHRINK_NON-ADHESIVE_9mm_BK_31_ratio_CUT@40mm	GENERIC PART	3C(1),10C(1),14C(1)
8	4		HSA 3/1 BK X 25MM	Harness node attach part	HEATSHRINK GLUE-LINED PRE CUT HSA3.1 BK	Eurotech	13D(1),1B(1)
9		1085	170-03000	Sleeve & Tube	PET_EXPANDABLE_SLEEVE_3.2-11MM_BK	HELLERMANNTYTON	
10	2		SSHL-002T-P0.2	Terminal	FEM TERM_JST_0.05-0.13MM2_TIN	JST COMMERCIAL	15B(2)
11	8		430300001	Terminal	FEM TERM_MOLEX MICRO-FIT_0.22-0.5MM2_TIN	MOLEX	16C(4),1D(4)
12	2		430300004	Terminal	FEM TERM_MOLEX MICRO-FIT_16-30AWG_TIN	MOLEX	1D(2)
13		775	WIRE_YE_0.5_FLRY	Wire	ISO_6722_FLRY-B_0.5mm2_105C	GENERIC PART	
14		775	WIRE_WH_0.5_FLRY	Wire	ISO_6722_FLRY-B_0.5mm2_105C	GENERIC PART	
15		765	WIRE_BK_0.13_FLMY	Wire	ISO_6722-1_FLMY_0.13mm2_105C	GENERIC PART	
16		775	WIRE_BL_0.5_FLRY	Wire	ISO_6722_FLRY-B_0.5mm2_105C	GENERIC PART	
17		630	WIRE_RD_1.5_FLRY	Wire	ISO_6722_FLRY-B_1.5mm2_105C	GENERIC PART	
18		630	WIRE_BK_1.5_FLRY	Wire	ISO_6722_FLRY-B_1.5mm2_105C	GENERIC PART	
19		775	WIRE_GY_0.5_FLRY	Wire	ISO_6722_FLRY-B_0.5mm2_105C	GENERIC PART	
20		765	WIRE_RD_0.13_FLMY	Wire	ISO_6722-1_FLMY_0.13mm2_105C	GENERIC PART	

GENERAL NOTES:

1. ALL DIMENSIONS ARE IN mm.
2. UNLESS OTHERWISE SPECIFIED, FINISHED HARNESS LENGTHS SHALL MEET THE FOLLOWING TOLERANCES:
   - UP TO 500 mm +5 / -0 mm
   - 500 TO 1000 mm +10 / -0 mm
   - 1000 TO 2000 mm +20 / -0 mm
   - 2000 mm +40 / -0 mm
3. FOR ANY CONDITION, MATERIAL, OR PROCESS NOT SPECIFIED ON THIS DRAWING, THE HARNESS MANUFACTURER SHALL REFER TO THE IPC/WHMA-A-620 STANDARD FOR ACCEPTABILITY REQUIREMENTS AND WORKMANSHIP PRACTICES.
4. ALL MEASUREMENT POINTS SHALL BE CONSIDERED FROM THE BACK OF THE CONNECTORS OR RING TERMINALS, UNLESS OTHERWISE SPECIFIED. INTERNAL LENGTH SHALL BE ADDED BY THE HARNESS MANUFACTURER AS REQUIRED.
5. HARNESS LABEL MUST BE TEAR-RESISTANT AND SHALL INCLUDE THE PART NUMBER, REVISION, DESCRIPTION, AND THE HARNESS MANUFACTURING DATE FOR TRACEABILITY.
6. NO ALTERNATIVE PARTS SHALL BE USED WITHOUT PRIOR AGREEMENT FROM THE DESIGN ENGINEERING TEAM.
7. ALL GENERIC PARTS SUCH AS WIRES, CONDUIT TUBE, HEAT-SHRINK TUBE, TAPES, AND LABELS SHALL BE PRE-APPROVED BY THE DESIGN ENGINEERING TEAM BEFORE PRODUCTION TO ENSURE COMPLIANCE WITH INTERNAL REQUIREMENTS.
8. SOLDER ALL DESIGNATED CONTACTS, ENSURING THAT EACH SOLDERED JOINT EXHIBITS PROPER WETTING, NO EXCESSIVE SOLDER, AND ADEQUATE STRAIN RELIEF. AFTER SOLDERING, APPLY INDIVIDUAL HEAT-SHRINK TUBES ON EACH TERMINATION TO PROVIDE ELECTRICAL INSULATION AND MECHANICAL SUPPORT.

0 10 20 50 100

DRAWN BY: PETER PARKER	DRAWN DATE: 2026-04-15		
APPROVED BY: BRUCE WAYNE	SCALE: 1:1	STATUS: DRAFT	
DESCRIPTION: ROBOTICS			
PART NUMBER: EDSM-DRW-S05	REV: 01	MODEL: SAMPLE	SHEET: 1 of 1 / SIZE: A1

EDS MASTER