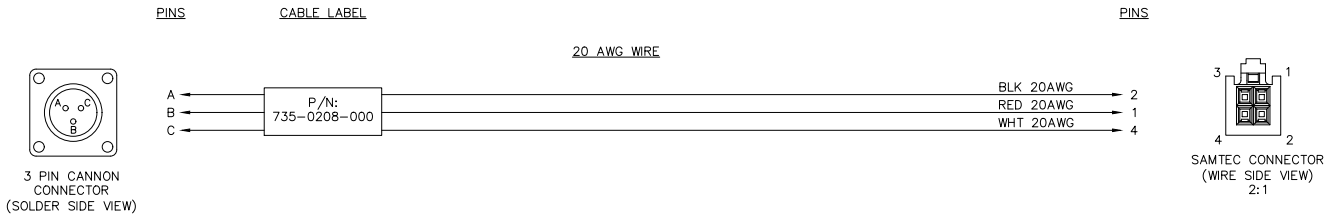
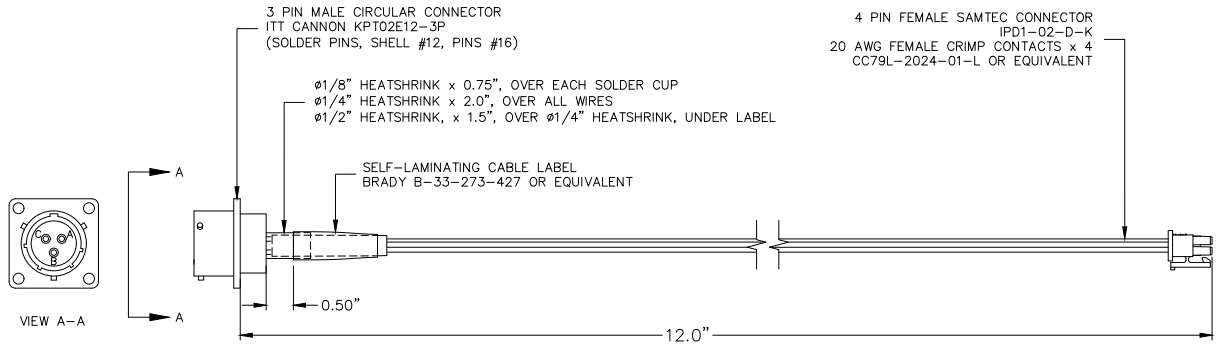
RoHS 2.0 COMPLIANT | REACH SVHC | ISO 9001:2015





SPECIFICATIONS & RATINGS

Connector A	ITT CANNON KPT02E12-3P (3 Pin Male Circular Connector)
Connector B	SAMTEC IPD1-02-D-K (4 Pin Female Connector)
Harness Length	12.0"
Standards/Compliance	IPC/WHMA-A-620 CLASS 2
Wire Specification	20 AWG, Black, Red, White

HARNESS PINOUT AND WIRE MAP

CANNON PIN (END A)	WIRE SPECIFICATION	SAMTEC PIN (END B)
A	BLK 20AWG	2
B	RED 20AWG	1
C	WHT 20AWG	4
-	Unused (Solder/Crimp Pin Installed)	3

BILL OF MATERIALS (BOM)

No	Item	Description	Qty
1	3 PIN MALE CIRCULAR CONNECTOR	ITT CANNON KPT02E12-3P (SOLDER PINS, SHELL #12, PINS #16)	1
2	4 PIN FEMALE SAMTEC CONNECTOR	SAMTEC IPD1-02-D-K	1
3	20 AWG FEMALE CRIMP CONTACTS	CC79L-2024-01-L OR EQUIVALENT	4
4	Ø1/8" HEATSHRINK	0.75" Length, over each solder cup	3
5	Ø1/4" HEATSHRINK	2.0" Length, over all wires	1
6	Ø1/2" HEATSHRINK	1.5" Length, over Ø1/4" heatshrink under label	1
7	SELF-LAMINATING CABLE LABEL	BRADY B-33-273-427 OR EQUIVALENT	1
8	20 AWG WIRE	Discrete Wire (Black, Red, White)	AR

NOTES

- STRIP WIRES AND SOLDER TO DESIGNATED PINS
- PLACE FEMALE CRIMP CONTACT INTO UNUSED CONNECTOR SOCKET
- MUST USE ITT CANNON OR AMPHENOL CRIMPS AND CONNECTOR
- MANUFACTURE AND INSPECT TO IPC/WHMA-A-620 CLASS 2

PART NUMBERING SYSTEM / ORDERING INFORMATION

ED - CARS232 - M3PF4S - 20AWG - 012 - 4

- **ED:** EDOM Electronics Standard Designation
- **M3PF4S:** 3-Pin Male Circular (Cannon KPT02E12-3P) to 4-Pin Female Samtec (IP...
- **012:** 12.0 Inches Nominal Assembly Length
- **CARS232:** Cable Assembly, RS-232 / Serial Standard
- **20AWG:** 20 AWG Discrete Wiring
- **4:** Revision 4 (Equivalent to ECN-920-0005-043-C)

TOLERANCES:

<= 12	+1 / -0
< 12 - 60	+2 / -0
< 60 - 120	+3 / -0
< 120 - 300	+4 / -0
> 300	+5% / -0%
HEAT SHRINK	+.25 / -0

3RD ANGLE

DESCRIPTION:
RS-232 Event Recorder Harness
DWG: ED-CARS232-M3PF4S-20AWG-012-4

DWN: EDOM ENG
CHK: BILL LEE
REV: A0
SCALE: A4 (FREE)

EDOM ELECTRONICS
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