DO NOT SCALE DRAWING

REV	DESCRIPTION	DATE	ENGINEER
B	ECN #12491	4/13/2022	D ASHBY

PIN A1

PIN B1

XX.XX $\triangle 2$

USB C PLUG MATING FACE

INSERT 1   INSERT 4

PIN 1 TYP.

PIN 8 TYP.
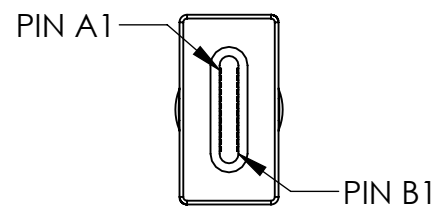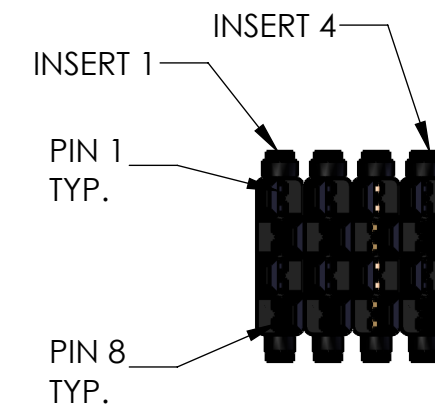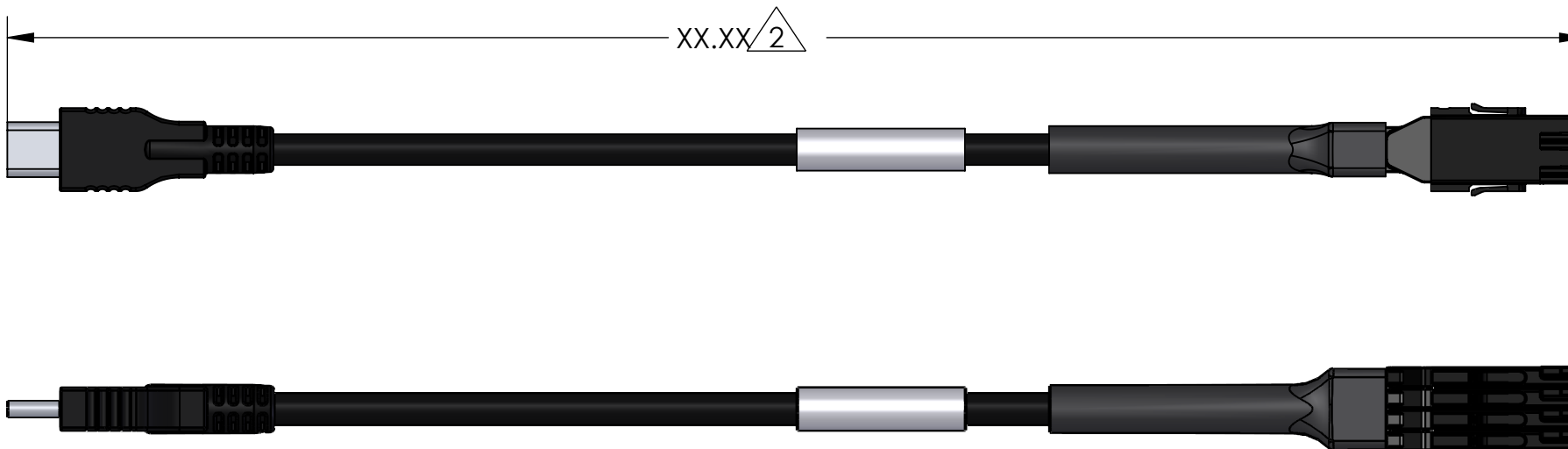
VTAC HSD INSERT MATING FACE

VTAC INSERT 1		
USB-C Pin	Signal Name	VTAC Insert-Pin
A4,B4	VBUS	J1-1
A5	CC	J1-6
B5	VCONN	J1-7
A8	SBU1	J1-4
B8	SBU2	J1-3
SHELL	OVERALL SHIELD $\triangle 7$	J1-2,J1-5,J1-8

VTAC INSERT 2		
USB-C Pin	Signal Name	VTAC Insert-Pin
A1, B1, A12, B12	GND	J2-3
A9, B9	VBUS	J2-2
A6	Dp1	J2-7
A7	Dn1	J2-6
SHELL	OVERALL SHIELD $\triangle 7$	J2-1, J2-4, J2-5, J2-8

VTAC INSERT 3		
USB-C Pin	Signal Name	VTAC Insert-Pin
A2	SSTxp1	J3-6
	SSTxp1 SHIELD	J3-5
A3	SSTxn1	J3-7
	SSTxn1 SHIELD	J3-8
B11	SSRxp1	J3-2
	SSRxp1 SHIELD	J3-1
B10	SSRxn1	J3-3
	SSRxn1 SHIELD	J3-4

VTAC INSERT 4		
USB-C Pin	Signal Name	VTAC Insert-Pin
B2	SSTxp2	J4-2
	SSTxp2 SHIELD	J4-1
B3	SSTxn2	J4-3
	SSTxn2 SHIELD	J4-4
A11	SSRxp2	J4-6
	SSRxp2 SHIELD	J4-5
A10	SSRxn2	J4-7
	SSRxn2 SHIELD	J4-8

NOTES:

$\triangle 7$ CABLE OVERALL SHIELD CONNECTED TO PINS IN J1 & J2 INSERTS

6. PD COMPATIBLE FOR TYPE C CONNECTIONS ONLY.

5. FOR USB 2.0 AND POWER DELIVERY (PD) DELIVERY APPLICATIONS, UTILIZE INSERTS 1 AND 2 (BLUE INSERTS). FOR FULL FEATURE USB 3.2 GEN 1 COMPATIBILITY USE INSERTS 1-4.

4. ELECTRICAL PERFORMANCE CONFORMS TO USB 3.2 GEN 1 DATA RATES (5Gbps)

3. CABLE MADE IN ACCORDANCE WITH USB TYPE C SPEC.

$\triangle 2$ SEE TABLE FOR PATCHCORD LENGTH BY PART NUMBER.

PART NUMBER	LENGTH (XX.XX)
7-141715757-018	18" [457.2]

CUSTOMER DRAWING

VPC Virginia Panel Corporation

VTAC ITA INSERT TO USB TYPE C USB 3.2 GEN 1 TYPE C PLUG

RELATIVE CONNECTOR POSITIONS AND WIRE ROUTING ARE GENERIC AND MAY VARY WITH PINOUT

DIMENSIONS ARE SHOWN AS:
[MILLIMETERS]
INCHES

DWG.NO. 7-141715757	REV B

SIZE B	SCALE NONE	CAGE CODE 18117	SHEET 1 OF 1