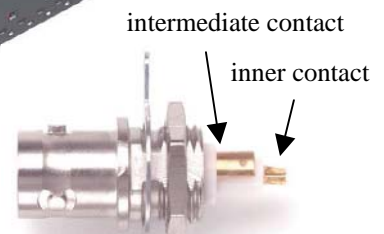
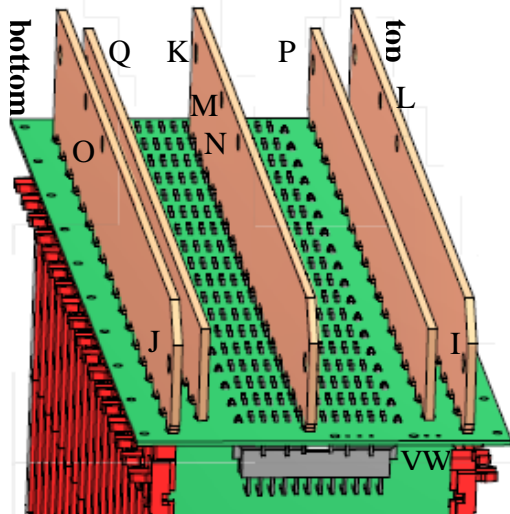
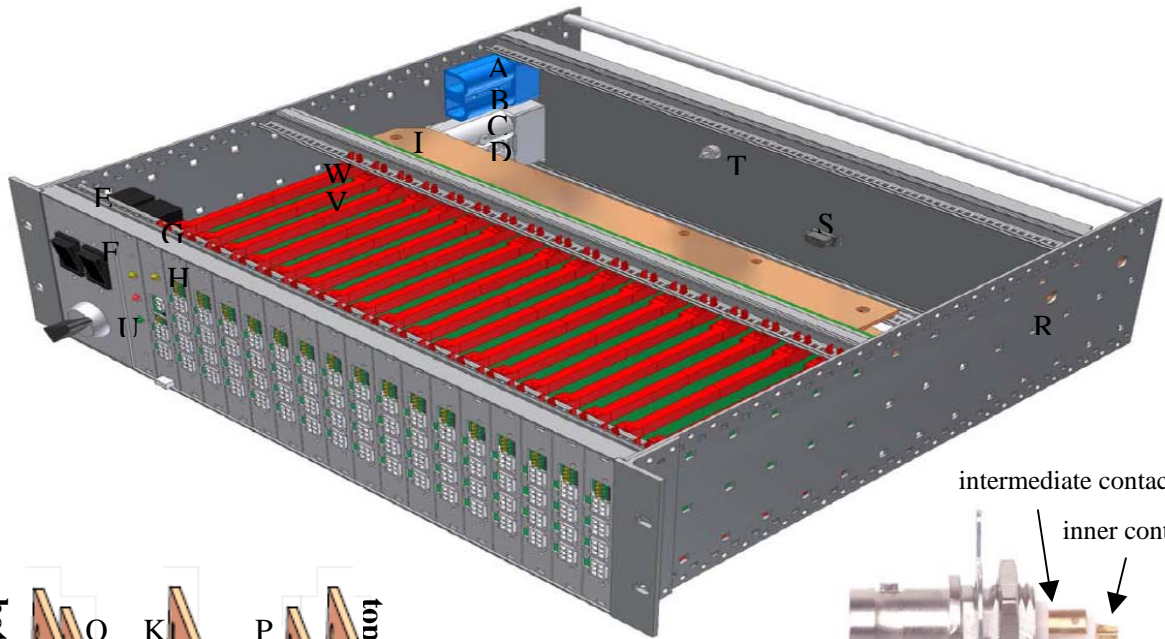


Cables and Connector Specifications inside of the PDB

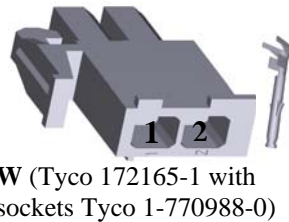
AWG	color	length	from		To	
LV						
6	yellow	25cm	B	SB120 (bottom)	F	60A breaker (bottom)
2	red	25cm	D	SB175 (bottom)	H	100A breaker (bottom)
6	yellow	52cm	E	60A breaker (top)	P	top source busbar
2	red	52cm	G	100A breaker (top)	Q	bottom source busbar
6	black	14cm	A	SB120 (top)	I	top return busbar (left)
2	black	13cm	C	SB175 (top)	J	bottom return busbar (left)
Ground						
2	black	9cm	K	center return busbar (right)	R	ground connector bar
braids		14cm	L	top return busbar (center)	M	center return busbar (center)
braids		14cm	O	bottom return busbar (center)	N	center return busbar (center)
HV						
18	orange	42cm	T	HV connector (inner contact)	U	HV switch
18	orange	14cm	U	HV switch	V	Backplane HV plug (top/pin #1)
18	blue	31cm	T	HV connector (intermediate contact)	V	Backplane HV plug (bottom/pin #3)
DCM						
18	red	14cm	F*	60A breaker (bottom)	W	Backplane DCM plug (bottom/pin #2)
18	black	10cm	I*	top return busbar (left)	W	Backplane DCM plug (top/pin #1)
Sense						
22	red	50cm	F*	60A breaker (bottom)	S**	sense cable connector (pin #4)
22	black	35cm	I*	top return busbar (left)	S**	sense cable connector (pin #9)
22	green	50cm	H	100A breaker (bottom)	S**	sense cable connector (pin #2)
22	white	35cm	J	bottom return busbar (left)	S**	sense cable connector (pin #6)

*The DCM cable and Sense cable are crimped together into one lug (Allied 400-0002) at F and I. See next page.

**An inline fuse/fuseholder is used for the sense cable. See next page.



T (Pomona 5219)



W (Tyco 172165-1 with sockets Tyco 1-770988-0)



V (Tyco 172166-1 with sockets Tyco 1-770988-0)



S (Tyco 205203-3 with sockets Tyco 66504-9)



A, B (APP 6811G3 – 6AWG, 120A)
C, D (APP 947– 2AWG, 175A)



E, F (Cableco 0270-0003 – 6AWG, 1/4" stud)
G, H (Cableco 0270-0005 – 2AWG, 1/4" stud)



F, H, I, J (Allied 400-0002 – 18AWG-22AWG, M6 & 1/4" stud)



R (Waytek 35022 – 2AWG, 3/8" stud)
K, J, Q (Waytek 35020 – 2AWG, 1/4" stud)
I, P (Waytek 34001 – 6AWG, 1/4" stud)



S Fuseholder (Littelfuse 150274) with Fuse (Littelfuse 0225.250HXP)



S "Reducing Butt Splice" (McMaster-Carr 7934K13) connects the 22AWG sense cable with the 16AWG cable of the fuseholder