51740-10402404CALF -PwrBlade® : 4P 24S 4P PF Vertical Receptacle





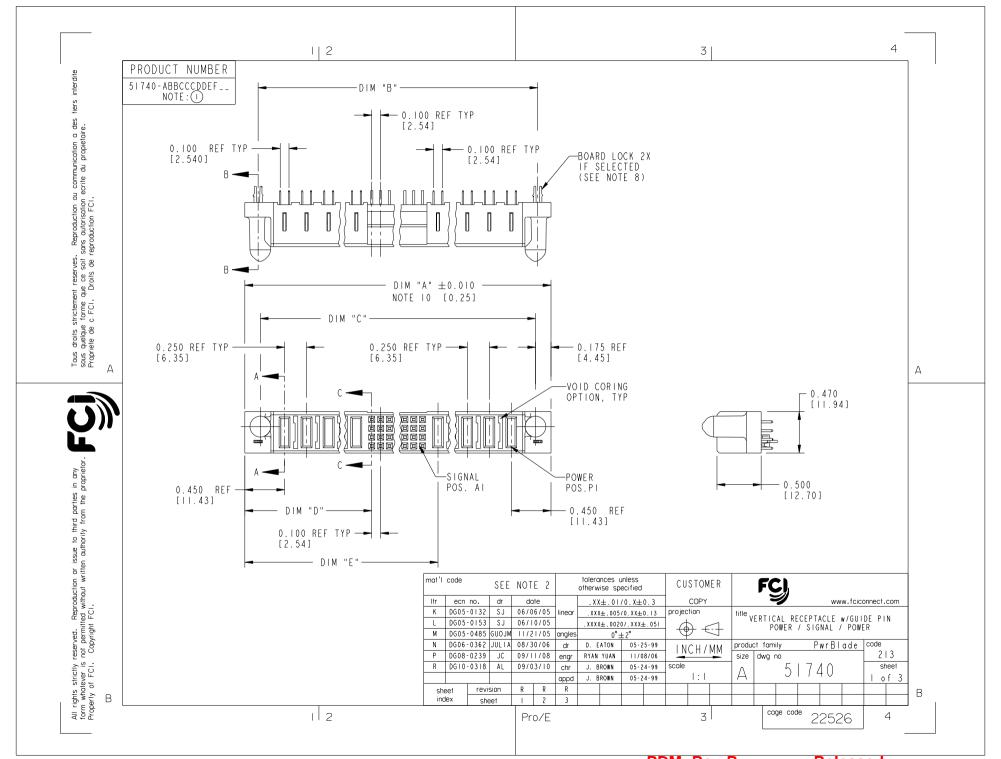


Specifications

General

General First Make Last Break (FMLB)	Request Select Load Worksheet 51698 for FMLB Options
Gender	Receptacle
Guided Mating	Guide Pin
Number of contacts (Total - Power)	8
Number of contacts (Total - Signal)	24
Orientation	Vertical
Polarization	Yes
Receptacle Pin Pattern (Right to Left)	Power/Signal/Power
Tail Options	0.135 in. Press-Fit
Mating half	PwrBlade® Right Angle Headers
Number of rows (Power)	1
Number of rows (Signal)	4
Dimensional Spacing (Center line - Power)	6.35 mm (0.25 in.)
Spacing (Center line - Signal)	2.54 mm (0.1 in.)
Electrical	
Current rating	48A max. for One Powered Contact, 30A max. for Ten Contacts Powered
Resistance (Contact)	Maximum for mated pair is 2 milli ohms
Resistance (Insulation)	>= 10,000 M-ohms after Environmental Test Conditions
Voltage rating	1000V per Signal Contact, 2500V per Power Contact
Mechanical Durability (Mating cycles)	200
Insertion force	Maximum 25 oz. per Power Contact and 3.5 oz. per Signal Contact
Wipe (Power)	0.227 in. min., Post mate 0.177 in. min.
Wipe (Signal)	0.152 in. min., Post mate 0.102 in. min.
Mounting Retention feature (Board)	Board Lock
Solder process	High Temp Solder Process
Footprint note	Ordering data shown is for our standard product offering. For non-standard or custom products, contact your Authorized FCI

	Representative.	
Physical		
Color (Housing)	Black	
Material (Housing)	Glass - Filled High - Temp Thermoplastic (UL-94 V-0)	
Plating (Contact area)	0.76 μm (30 μin.) Precious metal	
Plating (Tail - Power)	2.54 - 5.08 µm (100-200 µin.) Tin-Lead	
Plating (Tail - Signal)	2.54 µm (100 µin.) Tin-Lead	
Temperature (Operating - range)	-20°C to +105°C	
Approvals / Certifications		
Approvals / Certifications	UL and CSA Approved	
Other Features		
Packaging (Type)	Trays	
System Application	Standard Product	
Comments	In order to complete the Part Number selection process you will need the product drawing. To download the drawing click on the "View Drawing" button at the top of this page.	



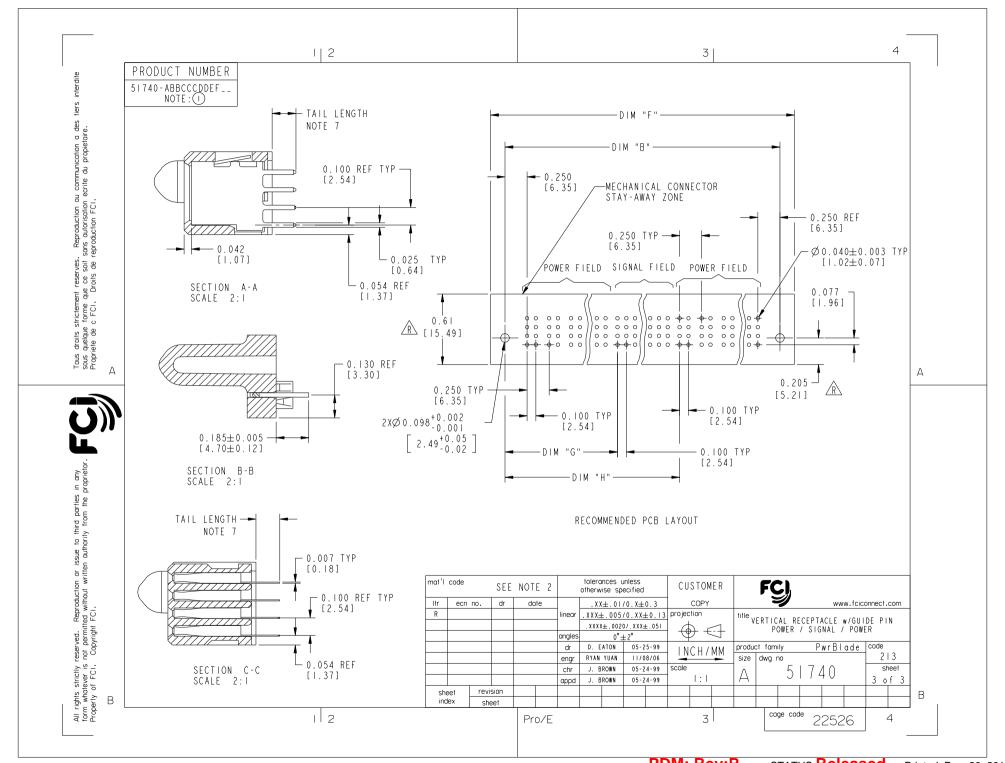
PDM: Rev:R

STATUS: Released

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