

## PRINTED CIRCUIT BOARD (MODULE / TRANSITION MODULE) REVIEW CHECKLIST

Module Name: _____ Transition Module Name: _____	MINOS MINDER MINDER AUX G. Drake	Information Included						Comments
		Module			Transition Module			
		YES	NO	N/A	YES	NO	N/A	
<b>General</b>								
Overall Module/Transition Module description of operation and I/O & control								
Schematics		x					x	
Connector types		x			x			
General protocol timing diagrams			x				x	
Pinouts		x			x			
Module has associated Transition Module		x						
<b>Mechanical</b>								
Any special subrack requirements		x						
PC board								
Mechanical drawings		x			x			
Board thickness & top, bottom edge milling to 0.062 inch				x			x	
Stiffeners				x			x	
Warpage				x			x	
Chamfers				x			x	
Clearances checked (both sides)		x			x			
Non-circuitry areas		x			x			
Connector types								
Specials				x			x	
ESD protection								
Strip (w/o soldermask over it)				x			x	
ESD discharge resistors				x			x	
Front panel								
Module / Transition Module has front panel		x			x			
Injector / ejector / locking handles w / lock washers or liquid threadlock		x			x			
Center support w / lock washer or liquid threadlock		x					x	
LEDs, test points & labeling		x					x	
Connected to board circuitry		x					x	
Isolated connectors (cable shield connections & terminations)		x			x			
Transition card J2 connector (or shell for alignment)					x			
Keying								
Any special keying requirements				x			x	
Test & repair								
Extenders								
List of standard & special connectors				x			x	
Special hardware				x			x	
Test fixtures			x				x	
Open side subrack			x				x	

<b>Electrical</b>						
Any special subrack requirements	x			x		
Power requirements						
Power pins used	x					x
Voltages & currents (module only)	x					x
If very low currents (e.g., +12 V supply) why not DC-DC converters?			x			x
Power to Transition Module (how?)			x			x
Overcurrent (fuses) & overvoltage (transzorb) protected	x					x
I/O connector types, pinouts, inputs / outputs & signal levels (technology)						
Front panel	x					
Rear (front) panel				x		
J3 backplane area	x			x		
Cable shrouds & latches	x			x		
Cable shield connections	x			x		
<b>Power</b>						
Power density	x					x
Power distribution	x					x
Air Flow						
Blockage		x				x
Diverter for hot spots			x			x