

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

Module Name: _____ Transition Module Name: _____	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							
Connector types							
General protocol timing diagrams							
Pinouts							
Module has associated Transition Module							
<b>Mechanical</b>							
Any special subrack requirements							
PC board							
Mechanical drawings							
Board thickness & top, bottom edge milling to 0.062 inch							
Stiffeners							
Warpage							
Chamfers							
Clearances checked (both sides)							
Non-circuitry areas							
Connector types							
Specials							
ESD protection							
Strip (w/o soldermask over it)							
ESD discharge resistors							
Front panel							
Module / Transition Module has front panel							
Injector / ejector / locking handles w / lock washers or liquid threadlock							
Center support w / lock washer or liquid threadlock							
LEDs, test points & labeling							
Connected to board circuitry							
Isolated connectors (cable shield connections & terminations)							
Transition card J2 connector (or shell for alignment)							
Keying							
Any special keying requirements							
Test & repair							
Extenders							
List of standard & special connectors							
Special hardware							
Test fixtures							
Open side subrack							
<b>Electrical</b>							
Any special subrack requirements							

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