

 <b>Rancho Santa Margarita, CA 92688</b>		<b>“Q” Clause</b>		<b>Purchase Order Attachment</b>	
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NUMBER: <b>IQ14</b>	REV: <b>K</b>	TITLE: <b>Circuit Card Assembly (CCA) Requirements</b>			
DOCUMENT OWNER: QUALITY MANAGER					
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Outside vendors and the circuit card assemblies they supply shall conform to the following requirements:

1. Assembly and soldering shall be in accordance with ANSI / IPC J-STD-001, Class 3, Post Soldering Cleanliness Designator C22.
2. Workmanship shall be in accordance with ANSI / IPC A-610D, Class 3. Target condition is preferred.
3. **Exceptions/Clarifications to IPC A-610D:**
  - a. Bonding shall be in accordance with DP70402-613 and the unique requirements of each drawing.
  - b. Resistors dissipating 1 watt or greater shall be installed raised off the PWB .059” (no heat sink) or flush (heat sink).
4. The supplier shall certify with each shipment that the requirements of the Engineering drawing, purchase order and this attachment have been met.