



Standard Manufacturing Processes and Flows

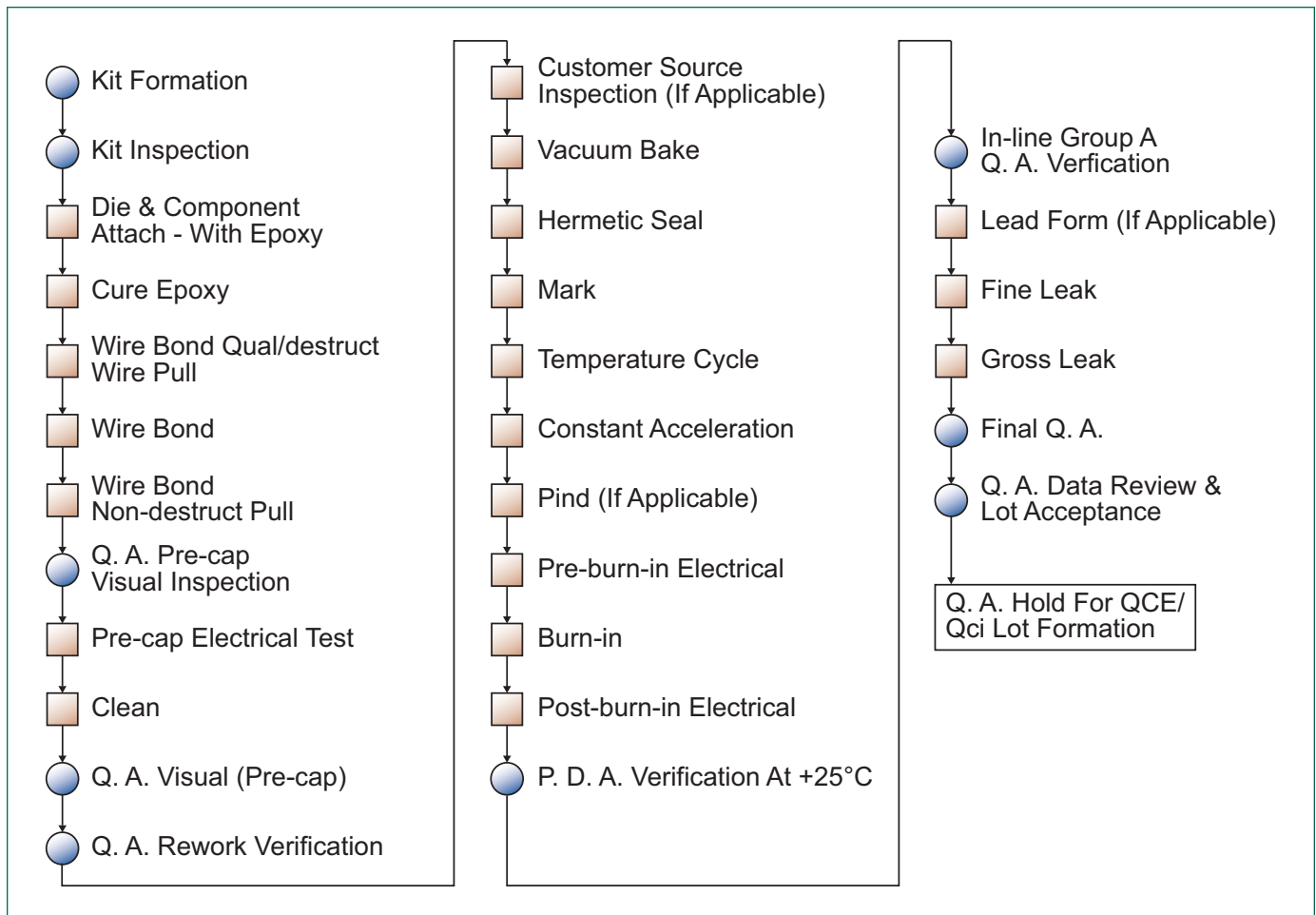
Standard Manufacturing Processes

Ceramic Products

	(C) Commercial	(I) Industrial	(M) Military	(SMD) MIL-PRF-38534/ MIL-PRF-38535
Die Element Evaluation	No	No	No	Yes
Test - Pre Cap	+25°C	+25°C	+25°C	+25°C
Temp Cycle	No	Yes	Yes	Yes
Centrifuge	No	Yes	Yes	Yes
Burn-in	None	48 Hrs.	160 Hrs.	160 Hrs.
Test - Final	+70°C	-40°C, +85°C	-55°C, +125°C	-55°C, +125°C
PDA	No	No	No	Yes
Fine Leak	No	No	Yes	Yes
Gross Leak	Bubble Test Only	Bubble Test Only	Yes	Yes

Manufacturing Flow

MIL-PRF-38534/38535 Compliant Products



Test methods and procedures in accordance with MIL-STD-883

Standard Manufacturing Processes Extended Temperature Plastic

	Monolithics		MCPs	
	(I) Industrial	(M) Military	(I) Industrial	(M) Military
Test - Final	-40°C, +85°C	-55°C, +125°C	-40°C, +85°C	-55°C, +125°C
External Visual	Yes	Yes	Yes	Yes
Temp Cycle	Yes (optional)	Yes (optional)	No	No
Burn-in	48 Hrs. (optional)	160 Hrs. (optional)	(100%) 48 Hrs.	(100%) 48 Hrs.

Manufacturing Flow
PBGA Products
