

Printed Circuit Board Solutions

Technology Comparison By Division

CERTIFICATIONS	APCT Santa Clara	APCT Wallingford	APCT Orange County	APCT Anaheim
ITAR Registered	Yes	Yes	Yes	Yes
ISO 9001 Certified	Yes	Yes	Yes	Yes
AS9100D Certified	No	Yes	Yes	Yes
NADCAP Certified	No	No	No	Yes
MIL-P-55110 Certified	No	No	No	Yes
MIL-PRF-31032 Certified	No	No	No	Yes
IPC 6012 Class 3	Yes	Yes	Yes	Yes
IPC 6012 Class 3A	Yes	Yes	Yes	Yes
TECHNOLOGIES	APCT Santa Clara	APCT Wallingford	APCT Orange County	APCT Anaheim
Through-Hole Capabilities				
Rigid Layer Count				
Standard	2 - 28	2 - 24	2 - 24	2 - 18
Advanced	30 - 42+	26 - 32+	26 - 38+	20 - 28+
Flex / Rigid Flex Layer Counts				
Standard	-	-	-	2 - 10
Advanced	-	-	-	12 - 16+
HDI Capabilities	APCT Santa Clara	APCT Wallingford	APCT Orange County	APCT Anaheim
Sequential Lamination				
Standard	2 - 4x Lam Cycles	2 - 3x Lam Cycles	2 - 4x Lam Cycles	2x Lam Cycles
Advanced	5 - 7x Lam Cycles	4 - 5x Lam Cycles	5 - 6x Lam Cycles	3 - 6x Lam Cycles
Blind / Buried Vias	Yes	Yes	Yes	Yes
Via in Pad	Yes	Yes	Yes	Yes
CYCLE TIMES	APCT Santa Clara	APCT Wallingford	APCT Orange County	APCT Anaheim
Through-Hole Technology				
Standard Lead Time	15 Days	15 Days	15 Days	4 - 6 Weeks
2 - 10 Layers Expedited Lead Time	24 Hours	48 Hours	24 Hours	-
12 - 24 Layers Expedited Lead Time	48 Hours	72 Hours	48 Hours	-
Filled Via in Pad Technology				
Standard Lead Time	15 Days	15 Days	15 Days	20 Days
Expedited Lead Time	2 - 3 Days	4 - 5 Days	2 - 3 Days	5 - 7 Days
HDI Technology				
2x Lam Cycles Standard Lead Time	15 Days	20 Days	20 Days	20 Days
2x Lam Cycles Expedited Lead Time	3 - 5 Days	5 Days	3 - 5 Days	10 Days
3x Lam Cycles Standard Lead Time	20 Days	20 Days	20 Days	-
3x Lam Cycles Expedited Lead Time	7 Days	10 Days	7 Days	-
4x Lam Cycles Standard Lead Time	25 Days	-	25 Days	-
4x Lam Cycles Expedited Lead Time	10 Days	-	10 Days	-
MATERIALS	APCT Santa Clara	APCT Wallingford	APCT Orange County	APCT Anaheim
Pb Free RoHs - 180 Tg FR4	Yes	Yes	Yes	Yes
Halogen Free	Yes	Yes	Yes	Yes
Med Loss - FR408 HR, -13EP	Yes	Yes	Yes	Yes
Low Loss - 13EPSI, I-Speed	Yes	Yes	Yes	Yes
Ultra Low Loss - Meg 6, I-Tera	Yes	Yes	Yes	Yes
Polyimide Laminates	Yes	Yes	Yes	Yes
Rogers/Nelco/Arlon RF Laminates	Yes	Yes	Yes	Yes
Dupont Laminates for Flex	No	No	No	Yes