

### Machine Features Comparison Chart

	RoBAT S1	RoBAT RCI	RoBAT Scara TDR-L	RoBAT Scara TDR-M	RoBAT VTR	RoBAT HTR	RoBAT CTR	RoBAT CTR Mini	RoBAT RTU-SA	
Fault Coverage	Mating Side Missing/Bent Pins	✓	✓	✓	✓					
	Other AOI Faults, Guide Pins etc.	✓	✓	✓	✓					
	Bent Under Compliant Pin (under connector)		✓2	✓2	✓2	✓2		✓2	✓2	
	Missing Compliant Pin (under connector)		✓2	✓2	✓2	✓2		✓2	✓2	
	Concertina Compliant Pin (under connector)		✓2	✓2	✓2	✓2		✓2	✓2	
	Incorrect Back Drilling		✓	✓	✓	✓	✓	✓	✓	✓
	Skew Faults		✓	✓	✓	✓	✓	✓	✓	✓
	Impedance Faults		✓	✓	✓	✓	✓	✓	✓	✓
	Shorts (on high speed signal pins)	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Opens (on high speed signal pins)	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Electrical Component Faults	✓	✓							
Test Functions	Automatic Optical Inspection	✓	✓	✓	✓					
	DC Electrical Test (capacitance)	✓	✓							
	TDR High Speed SI Test		✓	✓	✓	✓	✓	✓	✓	
	TDT High Speed SI Test		✓	✓1		✓	✓		✓	
	VNA High Speed SI Test			✓1		✓	✓1			
	DMM Electrical Component Test	✓	✓							
	Mechanical Measurement Test	✓	✓							
	High Voltage	✓	✓							
Board Type	Bare Boards	✓	✓	✓	✓	✓	✓		✓	
	Assembled Boards	✓	✓	✓	✓	✓	✓		✓	
	Line Cards	✓	✓	✓	✓	✓			✓	
	Coupons/Small Bare Boards						✓	✓	✓	

1 = Single Sided Only  
 2 = Using TDR/TDT/VNA (depending on board architecture)