

# HRB Testing Center | Scope of Testing Capabilities

	Inspection Item	S/N	Inspection Name	Inspection Tester	Testing Standard
1	Electronic Connector	1	Visual Inspection	/	DIN EN 60512-1-1:2002
		2	Dimensional Inspection	/	DIN EN 60512-1-2:2002
		3	Engagement Length	coordinate measuring machine	DIN EN 60512-1-3:1997
		4	Contact Resistance	Low Resistance Tester	DIN EN 60512-2-1:2002
					DIN EN 60512-2-2:2003
		5	Insulation Resistance	Insulation Resistance Tester	DIN EN 60512-3-1:2002
		6	Temperature Rise	Temperature Rising tester	DIN EN 60512-5-1:2002
		7	Derating Curve	Temperature Chamber / Thermal Chamber	DIN EN 60512-5-2:2002
		8	Low temperature	Temperature Chamber / Thermal Chamber	DIN EN 60068-2-1:2007
					GB/T 2423.1:2008
		9	High temperature	Baking Oven	GB/T 2423.2:2008
					DIN EN 60068-2-2:2007 Test B
		10	Constant Humidity and Heat	temperature&humidity tester	GB/T 2423.3:2016
					DIN EN 60068-2-67:1995+AMD1:2019CSV
					DIN EN 60068-2-78:2012 RLV
		11	Damp Heat Cycling	Temperature & Humidity Chamber	DIN EN 60068-2-30:2005
					GB/T 2423.4:2008
		12	Temperature and Humidity Combined Cycling Test	Temperature & Humidity Chamber	GB/T 2423.34:2012
DIN EN 60068-2-38:2021RLV					
13	Temperature Change	Thermal Shock Chamber	GB/T 2423.22:2012		
			DIN EN 60068-2-14:2009		
14	Salt Spray Test	Salt spray tester	GB/T 2423.17:2008		
			DIN EN 60068-2-11:2021		
			DIN EN IEC 60068-2-52:2017 RLV		
15	Vibration Test	Vibration Testing System	IEC 60068-2-6:2007		
			EIA 364-28F		
			VW_75174 (LV214)		
			SAE/USCAR-2:2022		
16	Mechanical Shock Test	Mechanical Shock Test System / Shock Tester	GMW 3191:2019		
			IEC 60068-2-27:2008		
			EIA 364-27:2011		
			VW_75174 (LV214) _2018-10		
17	Rolling Drop Test	Rolling Drop Tester	SAE/USCAR-2:2022		
			GMW 3191:2019		
			DIN EN 60068-2-31:2008		
18	RF Performance Test	Vector Network Analyzer (VNA)	IEC 60512-29-100:2015		
			ANSI/EIA-364-90:2000		
			ANSI/EIA-364-102:2012		
			ANSI/EIA-364-108-Revision A:2019		
2	Connector Housing	1	Waterproof Test	IPX7 Test Tank	GB 4208:2017
					IS/IEC 60529-2001
3	Plastic Materials and Plastic Products	1	Needle Flame Test	needle flame tester	DIN EN 60695-11-5:2016 RLV
		2	CTI Test	CTI Tester	IEC 60112:2020 CMV
		3	GWT	Glow Wire Tester	IEC 60695-2-11:2021 RLV

4	Raw Material and finished products	1	RoHS	Rohs Tester Rohs	IEC 62321-3-1:2013
5	Connector terminal	1	Coating Thickness Test	Coating thickness tester	ISO 3497 3rd Edition:2000
		2	Solderability Test	Solderability Tester	JESD22-B102 RevisionE:2007
		3	IR Oven Aging	IR Oven / Infrared Oven	IPC/JEDEC J-STD-020E:2015
		4	Cross-section Analysis	Cross Section Analyzer	AMP 114-18022-10:2007
					IPC-WHMA-A-620- RevisionE-2022
					QC/T 29106:2019
					VW 60330:2013
		5	Terminal Fretting Corrosion Test	Terminal Fretting Corrosion Tester / Fretting Wear Tester	VW_75174_2018-10
		6	Slow Swing Test	Slow Swing Tester / Connector Durability Tester	VW_75174-2:2020
		7	Insertion and Extraction Force	Push-pull force tester	EIA 364-13E-2011
		8	Insertion Force	Pull Tester	EIA 364-13E:2011
		9	Extraction Force		EIA 364-13E:2011
		10	Retention Force		EIA 364-29D:2019
		11	Durability Test		EIA-364-09D:2018
12	Normal Force	Terminal normal force tester	EIA 364-04B:2015		
13	Contact Resistance Monitoring	Low resistance tester	VW_75174_2018-10		
14	Instantaneous Interruption Monitoring	Instantaneous interruption detector	VW_75174_2018-10		
			SAE/USCAR-2 Revision 8:2022		
6	Tape	1	Peel Force	Peel strength tester	EIA 481 RevisionF:2021