

Order your ECT Test Probes from ROMEX B.V. via Phone: +31-(0)317-389787, Fax: +31-(0)317-389780 or E-mail: info@romex.nl.

Probe Specifications MTX-50

Mechanical	
Full Travel:	.250 (6.4)
Recommended Working Travel:	.167 (4.2)
Operating Temperature	
-55°C to +105°C	
Consult factory for other temperature requirements, and applications below -40° C.	
Electrical (Static Conditions)	
6 amps	
Current Rating:	
maximum continuous current, non-inductive at working travel	

Average Probe Resistance 10 mΩ

Materials and Finishes

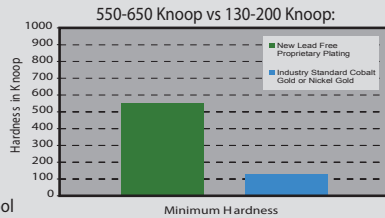
Plunger:	High performance alloy, LFRE proprietary plating
Barrel:	Beryllium Copper, Gold Plated over hard nickel
Spring:	Music wire
Ball:	Stainless steel

Plating

LFRE proprietary plating

Tools

- Matrix Insertion tool (for maintenance)
- 00245001
- Matrix extraction tool (for maintenance)
- 00245301
- Matrix Insertion tool
- RIT-80-0
- HPR-40T terminal with wire insertion tool
- FIT-1



Receptacle Specifications

Mounting Hole Size:	.029 (0.75)
Recommended Wire Gauge	28-30 AWG
Connections:	
ECR-80W/HPA-40T for plug-in connection	
STT-80W	
HPA-40 / ECR-80W	
ECR-1W-2 Wirewrap	

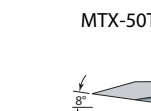
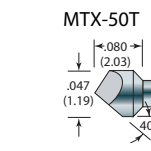
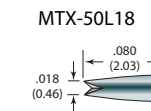
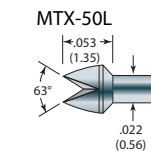
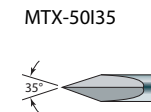
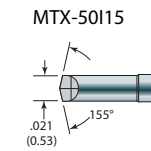
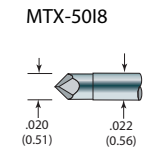
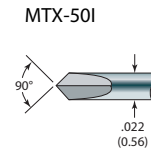
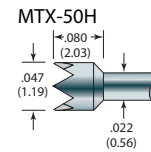
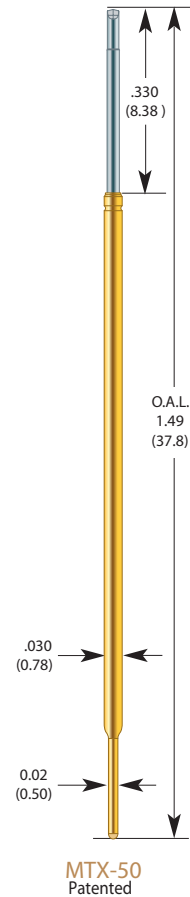
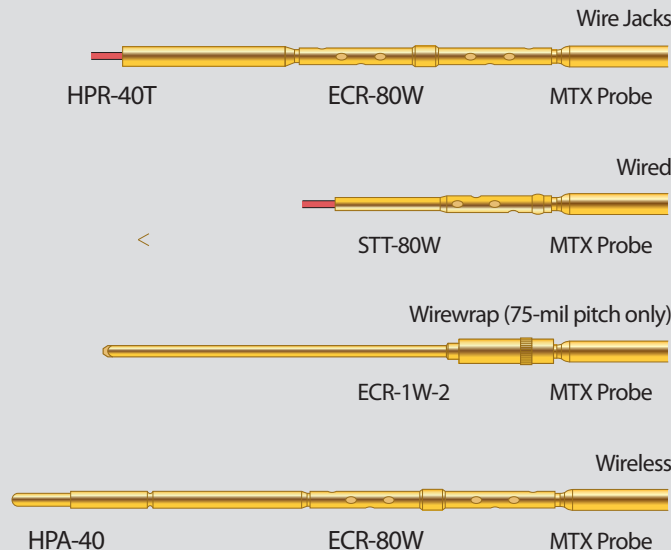
Materials and Finishes

HPR-40T	Work hardened nickel silver, HPA-GOLD™ plated (I.D. and O.D.) over hard nickel
ECR-80W/STT-80W	BeCu gold plated

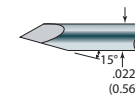
Spring Force in oz. (grams)

Spring Type	Preload	@.167" Travel
To order, add dash number to Model Number.		
Standard -4	0.33 (9)	4.0 (113)
Alternative -6	2.88 (82)	6.0 (170)
Elevated -7	2.48 (70)	7.0 (198)
High -8	2.04 (58)	8.0 (227)
Ultra High -10	3.65 (103)	10.0 (283)

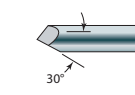
Optional spring forces and materials are available.



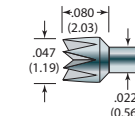
MTX-50T24



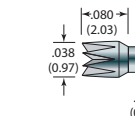
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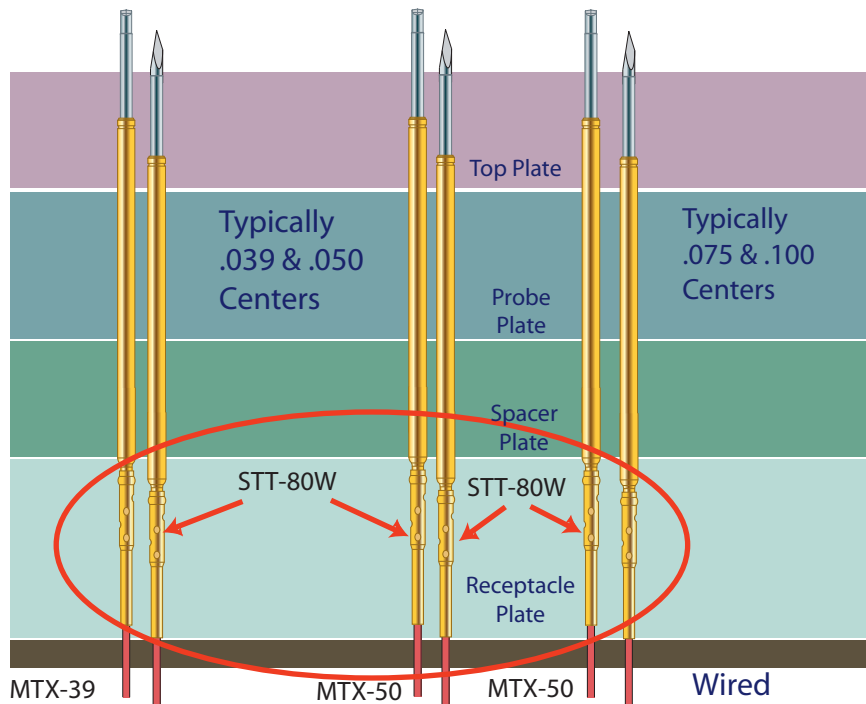
MTX-50Z



MTX-50Z1



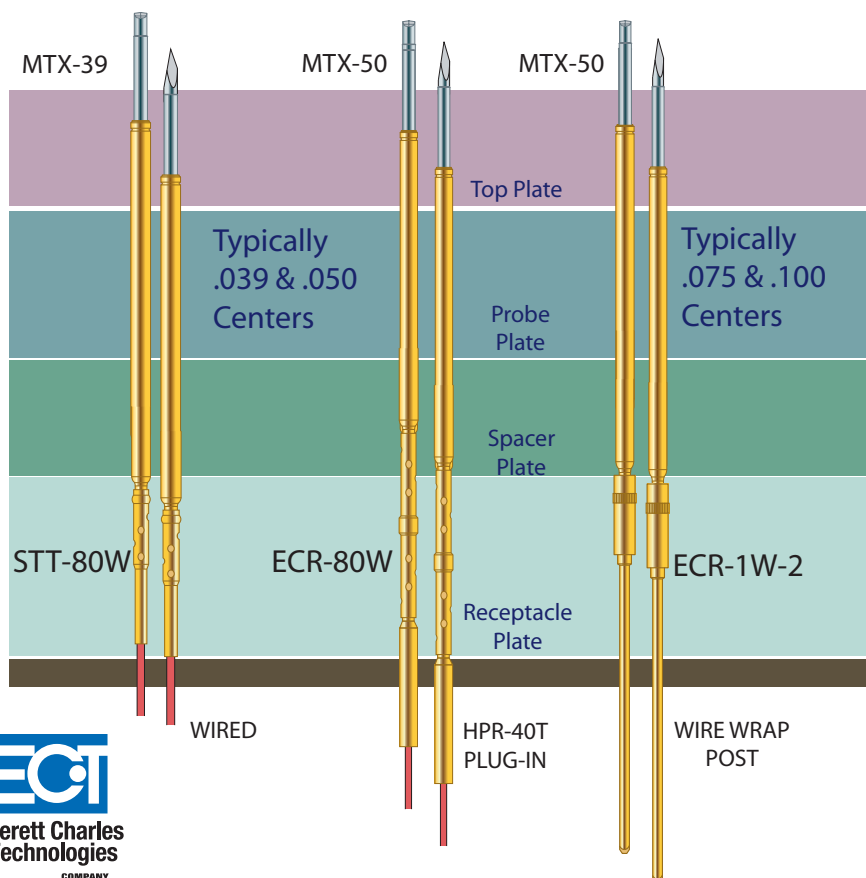
Flexible Terminations *CAN USE ONE SOCKET FOR ALL*



MTX Summary

- Detent configuration provides solid retention
- Single, pre terminated receptacle for all centers when using STT 80W
- Probe flexibility retained for guided top plate
- Reduced center probing technology
- Two probe sizes cover 1mm centers & up
- Bias Ball probe design
- "Wireless" configuration available through HPA-40 product line

Sample MTX Terminations



MTX-39 [WIRELESS]

