

Contact Probes, Receptacles

Minimum Mounting Pitch 1.4mm / 1.5mm / 1.7mm Series

Features: Receptacle's stopper portion is machined slightly smaller in I.D. to avoid probes from being pressed in too far.

Contact Probes - Minimum Mounting Pitch 1.4mm

NP68SF
NP68

Contact Probes

No.	Part	Material	Surface Treatment
1	Plunger	SK4	Rhodium Plating on Nickel Undercoat
2	Barrel	Phosphor Bronze	Gold Plating on Nickel Undercoat
3	Spring	SWP	Gold Plating

Receptacles - Minimum Mounting Pitch 1.4mm

NR68
NR68S

Receptacles

No.	Material	Surface Treatment
4	Brass	Gold Plating on Nickel Undercoat

The receptacle has a stopper that prevents the probe from being pulled out.

NP68SF and NP68 Tip Shapes Tip Shape K is not available for NP68SF.

NP68SF and NP68 Tip Shapes

Receptacles End Shapes

NR68Solder, Crimp Type

NR68S Solder Type

Contact Probes - Minimum Mounting Pitch 1.5mm

NP88
NP88HD

Contact Probes

No.	Part	Material	Surface Treatment
1	Plunger	SK4	Rhodium Plating on Nickel Undercoat
2	Barrel	Brass	Gold Plating on Nickel Undercoat
3	Spring	SWP	Gold Plating

Receptacles - Minimum Mounting Pitch 1.5mm

NR88

Receptacles

No.	Material	Surface Treatment
4	Brass	Gold Plating on Nickel Undercoat

The receptacle has a stopper that prevents the probe from being pulled out.

NP88 and NP88HD Tip Shapes

Contact Probes - Minimum Mounting Pitch 1.7mm

NP45S3SF
NP45S3

Contact Probes

No.	Part	Material	Surface Treatment
1	Plunger	SK4	Rhodium Plating on Nickel Undercoat
2	Barrel	Brass	Gold Plating on Nickel Undercoat
3	Spring	Stainless Steel	-

Receptacles - Minimum Mounting Pitch 1.7mm

NR45S

Receptacles

No.	Material	Surface Treatment
4	Brass	Gold Plating on Nickel Undercoat

The receptacle has a stopper that prevents the probe from being pulled out.

NP45S3SF, NP45S3 Tip Shapes For Tip Shape B, D, E15 and J, the material of plunger is C1730B.

NR45S End Shapes

NR45S End Shapes

B Solder, Crimp Type

C Solder Type

Contact Probes - Minimum Mounting Pitch 1.7mm

NP45SF
NP45
NP45HD

Contact Probes

No.	Part	Material	Surface Treatment
1	Plunger	C1730B	Rhodium Plating on Nickel Undercoat
2	Barrel	Brass	Gold Plating on Nickel Undercoat
3	Spring	Stainless Steel	-

* For NP45HD, the material of spring is SWP.

Receptacles - Minimum Mounting Pitch 1.7mm

NR45

Receptacles

No.	Material	Surface Treatment
4	Brass	Gold Plating on Nickel Undercoat

The receptacle has a stopper that prevents the probe from being pulled out.

NR45T
(Terminal Type)
Applicable Terminal
P.1879

NP45SF, NP45, NP45HD Tip Shapes * For Tip Shape C, the material of plunger is SK4.

NR45 End Shapes

B Solder, Crimp Type

C Solder Type

Contact Probes

Part Number	Mounting Pitch (min.)	Full Stroke	Spring Pressure		Allowable Current	Resistance	Replacement Cycle (Reference)	Unit Price / Volume Discount Rate		
			Initial	2/3 Stroke				1 - 69 pcs(s)	70-99	100-500
NP68SF	1.4mm	4.3mm	25gf	50gf	2.5A	60mΩ	100,000 times			
NP68			30gf	90gf						
NP88	1.5mm	2.5mm	10gf	50gf	3A	60mΩ	250,000 times			
NP88HD			30gf	100gf						
NP45S3SF	1.7mm	3.0mm	25gf	50gf	3A	60mΩ	300,000 times			
NP45S3			30gf	100gf						
NP45SF	1.7mm	5.0mm	10gf	50gf	3A	60mΩ	300,000 times			
NP45			30gf	100gf						
NP45HD	-	-	40gf	150gf	-	-	-	-	-	-

Receptacles For NR68, NR68S, NP45S and NR45, please select the end shape.

Part Number	Matching Contact Probe	Mounting Hole for Press-Fitting Dimension (Reference)	Unit Price / Volume Discount Rate		
			1 - 69 pcs(s)	70-99	100-500
NR68	NP68SF	0.83~0.84mm	-	-	-
NR68S	NP68	-	-	-	-
NR88	NP88	1.08~1.09mm	-	-	-
NR88	NP88HD	-	-	-	-
NR45S	NP45S3SF	1.39~1.41mm	-	-	-
NR45S	NP45S3	-	-	-	-
NR45	NP45SF	1.39~1.41mm	-	-	-
NR45	NP45	-	-	-	-
NR45T	NP45HD	1.47~1.49mm	-	-	-

For orders larger than indicated quantity, please request a quotation.

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Receptacles with Lead Wire

Part Number	Lead Wire Color Selection	Lead Wire Length (mm)	Lead Wire	Lead	Maximum Operating Voltage	Receptacles Used	Lead Wire Length 400mm		Lead Wire Length 1000mm			
							Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate		
NRB68	W (White) R (Red) BL (Blue)	400 1000	250V	Ø0.12x7 pcs.	250V	NR68 NR88 NR45S-B NR45-B	1 - 69 pcs(s)	70-99	100-500	1 - 69 pcs(s)	70-99	100-500
NRB88							Ø0.63	Ø0.12x7 pcs.				
NRB45							Ø1.0	Ø0.08x40 pcs.				
NR45							Ø1.0	Ø0.08x40 pcs.				

For orders larger than indicated quantity, please request a quotation.

Ordering Example Part Number - Tip (End) Shape - Lead Wire Color - Lead Wire Length

Example **NP68SF** - **A** - **W** - **1000**

Example **NP88** - **C** - **W** - **400**

Example **NR88** - **B** - **W** - **1000**

Example **NR45S** - **B** - **W** - **1000**

Example **NRB68** - **B** - **W** - **1000**

Example **NRB45** - **B** - **W** - **1000**

Example of Inserting Contact Probe to Receptacle