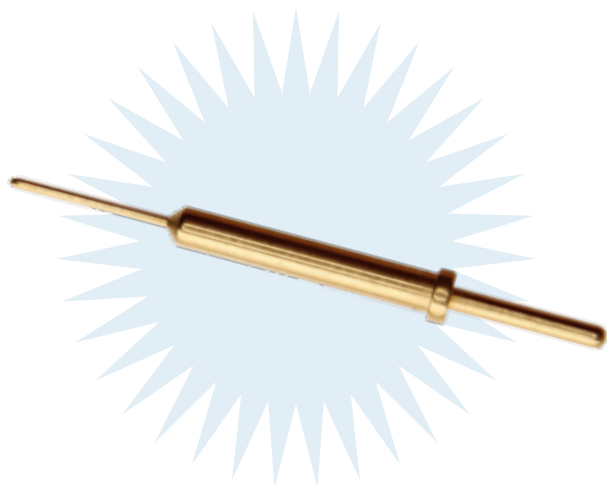


#20 PC Tail Pin Contact

DS Series • MIL-DTL-38999 Series II Style Connectors



DSPT20 - 102

- 1 **BASIC PART NUMBER**
DSPT20 DS Series #20 PCB pin contact
 (MIL-DTL-38999 Series II compatible)
- 2 **DASH NUMBER**
102 Dash number determines contact length
 See table below for dash number selection

DSPT20 Compatibility

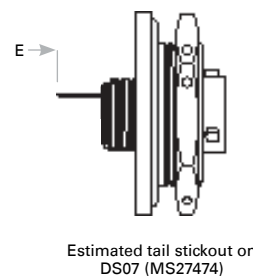
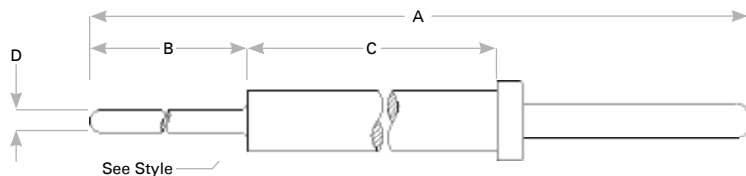
Compatible Brands	Receptacles
MIL-DTL-38999 Series II	MS27472, MS27474, MS27497, MS27499, MS27508, MS27513
Aero / Conesys	AE272, AE274, AE297, AE299, AE208, AE213
Amphenol	JT00, JTPQ00, JT01, JT02, JTP02, JT07
ITT Cannon	KJ0, KJ2, KJ3, KJ5, KJ7
Souriau	8T1, 8T2, 8T3, 8T7

Specifications

SAE-AS39029 Compliant: Mating interface meets or exceeds the requirements and specifications of M39029/58-363, except as indicated.

Contact Material: Beryllium copper alloy body

Mating Interface Finish: Gold plate per IAW ASTM B488-01, Type II, Code C, Class 1.25 (.000050 Min) over nickel IAW AMS QQ-N-290, Class 1, 0.000050 - 0.000100 thick.



Size #20 PC Tail Pin Contact Dimensions

Part Number	Popular	A	B	C	D	Shoulder Style	E Min - Max Tail Stickout* DS00 (MS27472) DS02 (MS27513) DS04 (MS27497) DS07 (MS27474)	E Min - Max Tail Stickout* DS03 (MS27508)
DSPT20-101		.960 (24.38)	.406 (10.31)	.257 (6.53)	.019 (.48)	Beveled	.124 (3.15) - .154 (3.91)	.229 (5.82) - .259 (6.58)
DSPT20-102	★	1.035 (26.29)	.293 (7.44)	.445 (11.30)	.019 (.48)	Beveled	.199 (5.06) - .229 (5.82)	.304 (7.72) - .334 (8.48)
DSPT20-103		1.077 (27.36)	.335 (8.51)	.445 (11.30)	.019 (.48)	Beveled	.241 (6.12) - .271 (6.88)	.346 (8.79) - .376 (9.55)
DSPT20-104		1.112 (28.25)	.370 (9.40)	.445 (11.30)	.019 (.48)	Beveled	.276 (7.01) - .306 (7.77)	.381 (9.68) - .411 (10.44)
DSPT20-105		1.132 (28.75)	.390 (9.91)	.445 (11.30)	.019 (.48)	Beveled	.296 (7.52) - .326 (8.28)	.401 (10.19) - .431 (10.95)
DSPT20-106		1.164 (29.57)	.502 (12.75)	.365 (9.27)	.019 (.48)	Flat	.328 (8.33) - .358 (9.09)	.433 (11.00) - .463 (11.76)
DSPT20-107	★	1.170 (29.72)	.428 (10.87)	.445 (11.30)	.019 (.48)	Beveled	.334 (8.48) - .364 (9.25)	.439 (11.15) - .469 (11.91)
DSPT20-108	★	1.194 (30.33)	.437 (11.10)	.460 (11.68)	.019 (.48)	Beveled	.358 (9.09) - .388 (9.86)	.463 (11.76) - .493 (12.52)
DSPT20-109		1.222 (31.04)	.480 (12.19)	.445 (11.30)	.019 (.48)	Beveled	.386 (9.80) - .416 (10.57)	.491 (12.47) - .521 (13.23)
DSPT20-110		1.377 (34.98)	.635 (16.13)	.445 (11.30)	.019 (.48)	Beveled	.541 (13.74) - .571 (14.50)	.646 (16.41) - .676 (17.17)
DSPT20-111		1.447 (36.75)	.705 (17.91)	.445 (11.30)	.019 (.48)	Beveled	.611 (15.52) - .641 (16.28)	.716 (18.19) - .746 (18.95)
DSPT20-112		1.481 (37.62)	.927 (23.55)	.257 (6.53)	.019 (.48)	Beveled	.645 (16.38) - .675 (17.15)	.750 (19.05) - .780 (19.81)

Dimensions are in inches (mm). *Stickout tolerance ± 0.02 (0.5mm). Stickout length dependent upon shell style. ★ Most popular call-outs, best in-stock solutions.
 Tail stickout dimensions are for Miltec connectors. When used in compatible connectors from other brands, dimensions can vary as much as ± 0.10 inches due to manufacturing differences.

Rev. 1744