



DEFENSE LOGISTICS AGENCY
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DSCC-V (VAI/Mr. Funk/614-692-6608)

MEMORANDUM FOR MILITARY/INDUSTRY DISTRIBUTION

SUBJECT: EP Study to review MIL-DTL-39012 SMPS Interface Proposed Updates. Project number 5935-2016-177.

Background

MIL-DTL-39012 SMPS connector updates were proposed at the DSCC coordination meeting held 26AUG2016. The following proposed changes are to be reviewed:

SMPS Connector with Pin Contact – Full Detent:

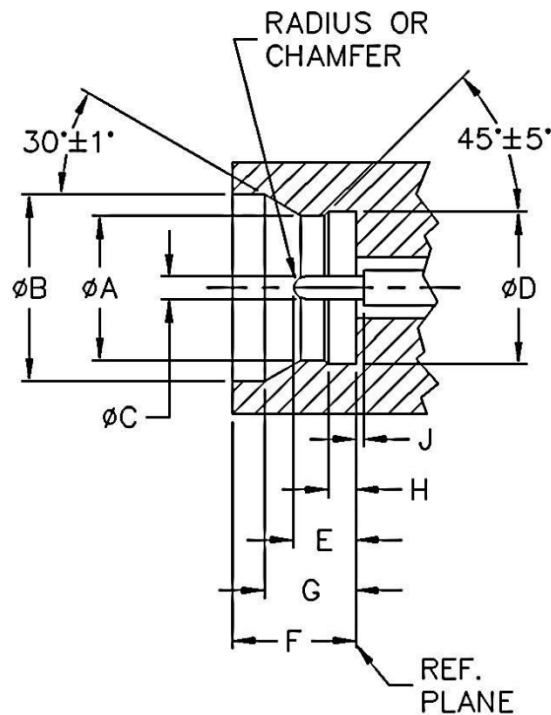


FIGURE 1 – SMPS Connector with Pin Contact – Full Detent (for dimensions, see Table 1)

Table 1 – Dimensions of SMPS Connector with Pin Contact – Full Detent

Ref.	Inches		Notes
	Min.	Max.	
A	.057	.058	
B	.073	.075	
C	.0085	.0095	
D	.059	.061	
E	.020	.030	
F	.048	.050	
G	.033	.041	
H	.010	.012	
J	.000		

SMPS Connector with Pin Contact – Smooth

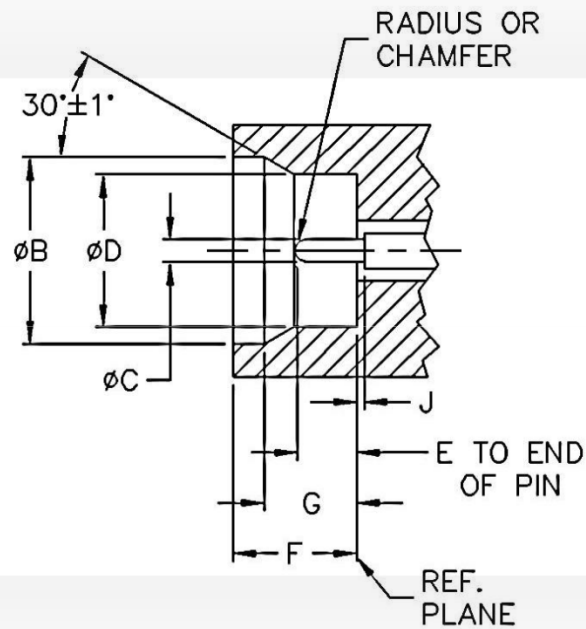


FIGURE 2 – SMPS Connector with Pin Contact – Smooth Bore (for dimensions, see Table 2)

Table 2 – Dimensions of SMPS Connector with Pin Contact – Smooth Bore

Ref.	Inches		Notes
	Min.	Max.	
<i>B</i>	.073	.075	
<i>C</i>	.0085	.0095	
<i>D</i>	.059	.061	
<i>E</i>	.020	.030	
<i>F</i>	.048	.050	
<i>G</i>	.033	.041	
<i>J</i>	.000		

SMPS Connector with Socket

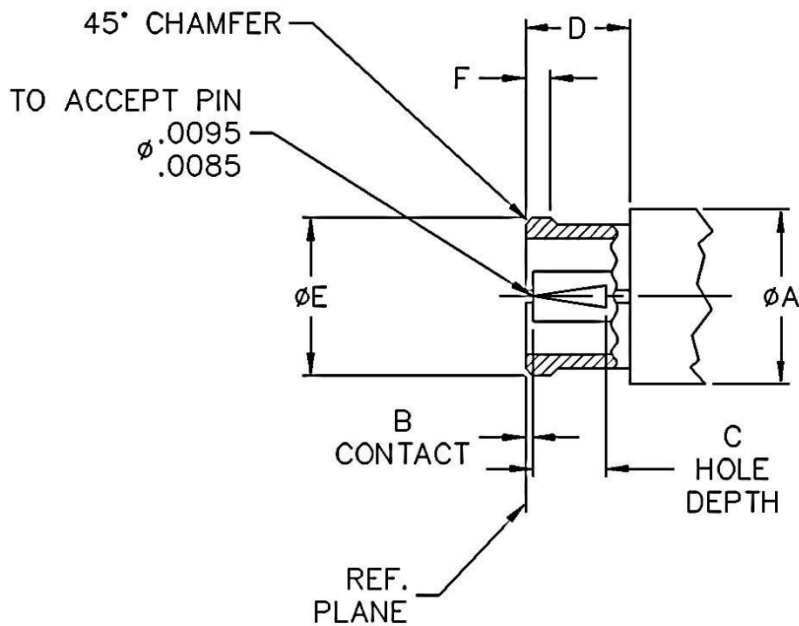


FIGURE 3 – SMPS Connector with Socket Contact (for dimensions, see Table 3)

Table 3 – Dimensions of SMPS Connector with Socket Contact

Ref.	Inches		Notes
	Min.	Max.	
<i>A</i>		.070	
<i>B</i>	.000	.005	
<i>C</i>	.029		
<i>D</i>	.040		
<i>E</i>		.065	
<i>F</i>		.0105	

Please direct all comments to Jeremy.Funk@dla.mil, (614) 692-6608.