



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

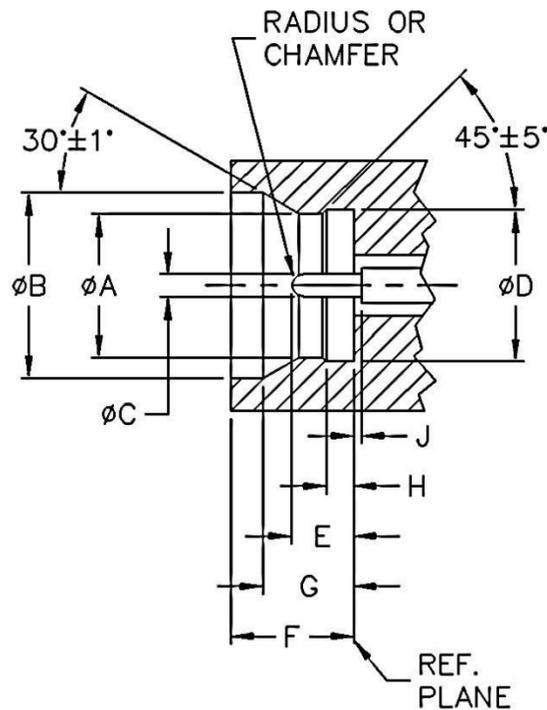
MEMORANDUM FOR MILITARY/INDUSTRY DISTRIBUTION

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:

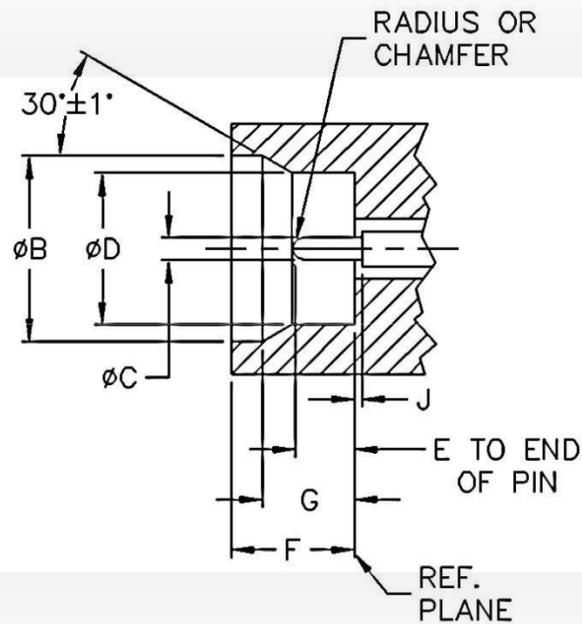


**FIGURE 1 – SMPS Connector with Pin Contact – Full Detent (for dimensions, see Table 1)**

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

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

SMPS Connector with Pin Contact – Smooth

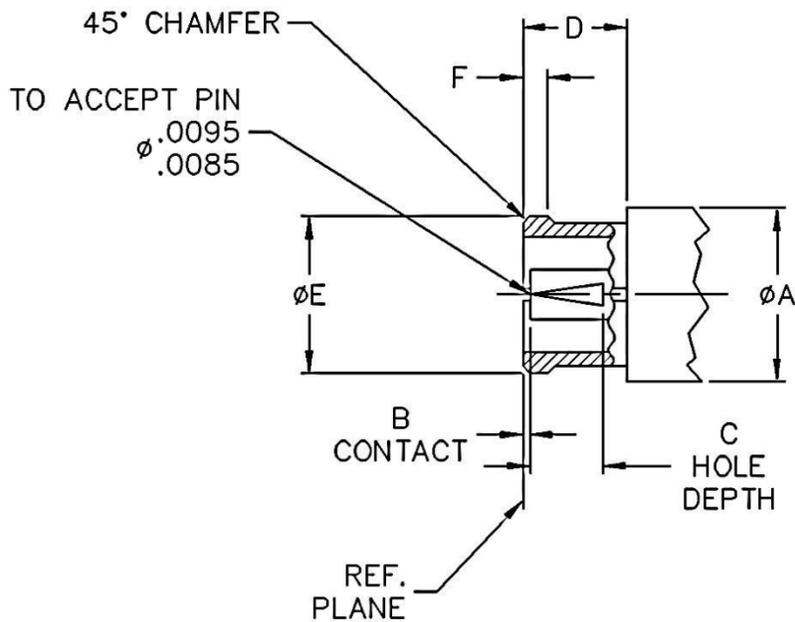


**FIGURE 2 – SMPS Connector with Pin Contact – Smooth Bore (for dimensions, see Table 2)**

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

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

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**

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

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