

## OCS (Oval Contact System)

1.	2.	3.	4.	5.	6.	PDS-234-9
Connector Type	Shell Style	Service Class	Shell Size – Insert Arrangement	Contact Type	Alternate Keying Position	
<b>TVP</b>	<b>00</b>	<b>RZW</b>	<b>13-53</b>	<b>P</b>	<b>B</b>	

### 1. SELECT A CONNECTOR TYPE

<b>TV</b>	Tri-Start Series Connector with metal shells
<b>TVP</b>	Back panel mounted receptacle with metal shells
<b>CTV</b>	Tri-Start Series Connector with composite shells
<b>CTVP</b>	Back panel mounted receptacle with composite shells

### 2. SELECT A SHELL STYLE

<b>00</b>	Wall mount receptacle
<b>06</b>	Straight plug
<b>07</b>	Jam nut receptacle

### 3. SELECT A SERVICE CLASS

(Z) Threaded Backshell Style	(W) Integral Backshell Style*	Description
<b>RZF</b>	<b>RWF</b>	Electroless nickel plated
<b>RGZF</b>	<b>RGWF</b>	Electroless nickel plated ground plane
<b>RZW</b>	<b>RWW</b>	Olive drab cadmium plate
<b>RGZW</b>	<b>RGWW</b>	Olive drab cadmium plated ground plane
<b>RZB</b>	<b>RWB</b>	NiAlBronze
<b>RGZB</b>	<b>RGWB</b>	NiAlBronze ground plane
<b>RZK</b>	<b>RWK</b>	Corrosion resistance stainless steel
<b>RGZK</b>	<b>RGWK</b>	Stainless steel ground plane
<b>ZDT</b>	<b>WDT</b>	Durmalon plated, Nickel-PTFE alternative to cadmium
<b>GZDT</b>	<b>GWDT</b>	Groundplane Durmalon

\* Integral Backshell - an integral backshell style eliminates the need for costly backshell accessories, and allows the user to attach the shield of their cable directly to the backshell. The integral shell style also provides superior EMI shielding and ease for overmold applications

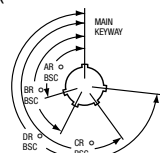
For unused OCS connector cavities:

- Leave the contact insert cavity empty in the connector.
- Size 12 MS27488-12-2 (orange color) sealing plug can be installed into the grommet of the backshell large end first.

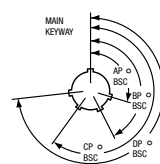
Removal Tool OCS Contact  
10-6460C1-001



#### RECEPTACLE (front face shown)



#### PLUG (front face shown)



### 4. Select a Shell Size and Insert Arrangement

Shell Size and Insert Arrangement are together. First number represents Shell Size, second number is the Insert Arrangement. See page 7 for Insert Arrangements.

### 5. SELECT CONTACT TYPE

<b>P</b>	Pin contacts 21-033585-001
<b>S</b>	Socket contacts 21-033586-001

Inner contacts accept 28, 26, and 24 awg cable.

### 6. Select an Alternate Keying Position

Alternate Positions below "N" not required for normal position. A plug with a given rotation letter will mate with a receptacle with the same rotation letter.

SHELL SIZE	KEY & KEYWAY ARRANGEMENT IDENTIFICATION LETTER	AR° OR AP° BSC	BR° OR BP° BSC	CR° OR CP° BSC	DR° OR DP° BSC
7, 7H	N*	120	240		
	A	132	248		
	B	80	230	NA	NA
	C	140	275		
	D	155	234		
9	E	131	197		
	N*	105	140	215	265
	A	102	132	248	320
	B	80	118	230	312
	C	35	140	205	275
11, 13, and 15	D	64	155	234	304
	E	91	131	197	240
	N*	95	141	208	236
	A	113	156	182	292
	B	90	145	195	252
17 and 19	C	53	156	220	255
	D	119	146	176	298
	E	51	141	184	242
	N*	80	142	196	293
	A	135	170	200	310
21, 23, and 25	B	49	169	200	244
	C	66	140	200	257
	D	62	145	180	280
	E	79	153	197	272
	N*	80	142	196	293
25L, 33, and 37	A	135	170	200	310
	B	49	169	200	244
	C	66	140	200	257
	D	62	145	180	280
	E	79	153	197	272
	N*	80	142	188	293
	A	135	170	188	310
	B	49	169	188	244
	C	66	140	188	257
	D	62	145	188	280
	E	79	153	188	272