

D-SUB STANDARD – DUAL PORT

Solder pin – Angled – Precision machined contacts – .625" / 15.88 mm Connector spacing



RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

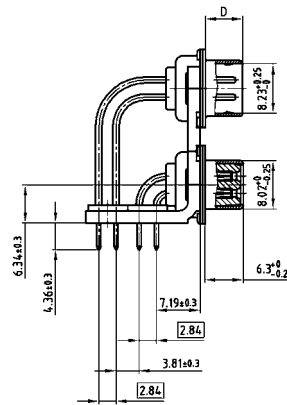
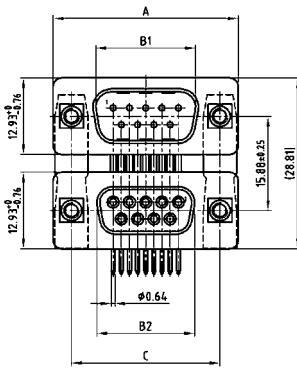
DESCRIPTION

- Variations: pin – pin; socket – socket; pin – socket
- Mounting styles:
 - with mounting bracket and 4-40 UNC or M3 threaded insert
 - with mounting bracket and 4-40 UNC or M3 front spacer
 - with mounting bracket, PCB clip and 4-40 UNC or M3 threaded insert
 - with mounting bracket, PCB clip and 4-40 UNC or M3 front spacer
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated (brass tin plated or stainless steel available on request)

PRODUCT DRAWING

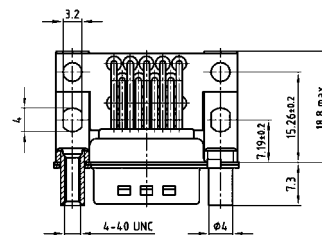
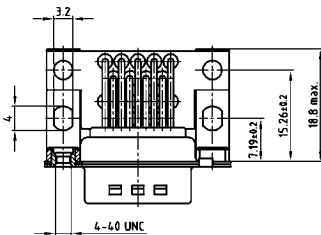
No. of pos.	A -0.76	B1 +0.25	B2 -0.25	C	D -0.30
2X 09	31.19	16.79	16.46	25.00 +0.12	6.12
2X 15	39.52	25.12	24.79	33.30 +0.15 +0.10	6.12
2X 25	53.42	38.84	38.50	47.04 +0.13	5.99
2X 37	69.70	55.30	54.96	63.50 +0.13	5.99

Graphical representation of only one variant!



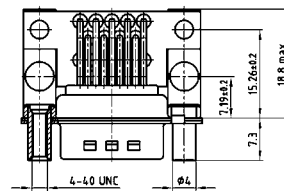
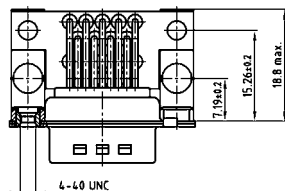
Mounting style: Threaded insert

Mounting style: Front spacer



Mounting style: PCB clip, threaded insert

Mounting style: PCB clip, front spacer

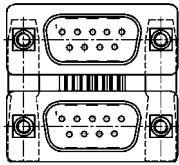


D-SUB STANDARD – DUAL PORT VARIATIONS

Solder pin – Angled – Precision machined contacts – .625" / 15.88 mm Connector spacing

ORDER DATA

PCB-Layout: Kat1iU5A

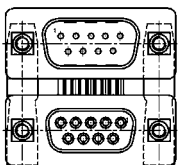


Variation:
plug upper –
plug bottom

No. of pos.	Mounting style 4-40 UNC	Part Number
09 /09	Threaded insert	163A15199X
15 /15	Threaded insert	163A15209X
25 /25	Threaded insert	163A15219X
37 /37	Threaded insert	163A15229X
09 /09	Front spacer	163A15359X
15 /15	Front spacer	163A15369X
25 /25	Front spacer	163A15379X
37 /37	Front spacer	163A15389X
09 /09	PCB clip / Threaded insert	163A19969X
15 /15	PCB clip / Threaded insert	163A19979X
25 /25	PCB clip / Threaded insert	163A19989X
37 /37	PCB clip / Threaded insert	163A19999X
09 /09	PCB clip / Front spacer	163A19329X
15 /15	PCB clip / Front spacer	163A19339X
25 /25	PCB clip / Front spacer	163A19349X
37 /37	PCB clip / Front spacer	163A19359X

No. of pos.	Mounting style M3	Part Number
09 /09	Threaded insert	163A15279X
15 /15	Threaded insert	163A15289X
25 /25	Threaded insert	163A15299X
37 /37	Threaded insert	163A15309X
09 /09	Front spacer	163A15439X
15 /15	Front spacer	163A15449X
25 /25	Front spacer	163A15459X
37 /37	Front spacer	163A15469X
09 /09	PCB clip / Threaded insert	163A20049X
15 /15	PCB clip / Threaded insert	163A20059X
25 /25	PCB clip / Threaded insert	163A20069X
37 /37	PCB clip / Threaded insert	163A20079X
09 /09	PCB clip / Front spacer	163A19409X
15 /15	PCB clip / Front spacer	163A19419X
25 /25	PCB clip / Front spacer	163A19429X
37 /37	PCB clip / Front spacer	163A19439X

PCB-Layout: Kat1iU6A

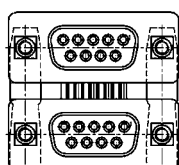


Variation:
plug upper –
socket bottom

No. of pos.	Mounting style 4-40 UNC	Part Number
09 /09	Threaded insert	163A15239X
15 /15	Threaded insert	163A15249X
25 /25	Threaded insert	163A15259X
37 /37	Threaded insert	163A15269X
09 /09	Front spacer	163A15399X
15 /15	Front spacer	163A15409X
25 /25	Front spacer	163A15419X
37 /37	Front spacer	163A15429X
09 /09	PCB clip / Threaded insert	163A20009X
15 /15	PCB clip / Threaded insert	163A20019X
25 /25	PCB clip / Threaded insert	163A20029X
37 /37	PCB clip / Threaded insert	163A20039X
09 /09	PCB clip / Front spacer	163A19369X
15 /15	PCB clip / Front spacer	163A19379X
25 /25	PCB clip / Front spacer	163A19389X
37 /37	PCB clip / Front spacer	163A19399X

No. of pos.	Mounting style M3	Part Number
09 /09	Threaded insert	163A15319X
15 /15	Threaded insert	163A15329X
25 /25	Threaded insert	163A15339X
37 /37	Threaded insert	163A15349X
09 /09	Front spacer	163A15479X
15 /15	Front spacer	163A15489X
25 /25	Front spacer	163A15499X
37 /37	Front spacer	163A15509X
09 /09	PCB clip / Threaded insert	163A20089X
15 /15	PCB clip / Threaded insert	163A20099X
25 /25	PCB clip / Threaded insert	163A20109X
37 /37	PCB clip / Threaded insert	163A20119X
09 /09	PCB clip / Front spacer	163A19449X
15 /15	PCB clip / Front spacer	163A19459X
25 /25	PCB clip / Front spacer	163A19469X
37 /37	PCB clip / Front spacer	163A19479X

PCB-Layout: Kat1iU6A

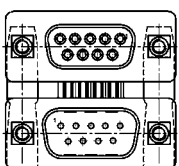


Variation:
socket upper –
socket bottom

No. of pos.	Mounting style 4-40 UNC	Part Number
09 /09	Threaded insert	164A15609X
15 /15	Threaded insert	164A15619X
25 /25	Threaded insert	164A15629X
37 /37	Threaded insert	164A15639X
09 /09	Front spacer	164A15769X
15 /15	Front spacer	164A15779X
25 /25	Front spacer	164A15789X
37 /37	Front spacer	164A15799X
09 /09	PCB clip / Threaded insert	164A20409X
15 /15	PCB clip / Threaded insert	164A20419X
25 /25	PCB clip / Threaded insert	164A20429X
37 /37	PCB clip / Threaded insert	164A20439X
09 /09	PCB clip / Front spacer	164A19759X
15 /15	PCB clip / Front spacer	164A19769X
25 /25	PCB clip / Front spacer	164A19779X
37 /37	PCB clip / Front spacer	164A19789X

No. of pos.	Mounting style M3	Part Number
09 /09	Threaded insert	164A15689X
15 /15	Threaded insert	164A15699X
25 /25	Threaded insert	164A15709X
37 /37	Threaded insert	164A15719X
09 /09	Front spacer	164A15849X
15 /15	Front spacer	164A15859X
25 /25	Front spacer	164A15869X
37 /37	Front spacer	164A15879X
09 /09	PCB clip / Threaded insert	164A20489X
15 /15	PCB clip / Threaded insert	164A20499X
25 /25	PCB clip / Threaded insert	164A20509X
37 /37	PCB clip / Threaded insert	164A20519X
09 /09	PCB clip / Front spacer	164A19839X
15 /15	PCB clip / Front spacer	164A19849X
25 /25	PCB clip / Front spacer	164A19859X
37 /37	PCB clip / Front spacer	164A19869X

PCB-Layout: Kat1iU5A



Variation:
socket upper –
plug bottom

No. of pos.	Mounting style 4-40 UNC	Part Number
09 /09	Threaded insert	164A15649X
15 /15	Threaded insert	164A15659X
25 /25	Threaded insert	164A15669X
37 /37	Threaded insert	164A15679X
09 /09	Front spacer	164A15809X
15 /15	Front spacer	164A15819X
25 /25	Front spacer	164A15829X
37 /37	Front spacer	164A15839X
09 /09	PCB clip / Threaded insert	164A20449X
15 /15	PCB clip / Threaded insert	164A20459X
25 /25	PCB clip / Threaded insert	164A20469X
37 /37	PCB clip / Threaded insert	164A20479X
09 /09	PCB clip / Front spacer	164A19799X
15 /15	PCB clip / Front spacer	164A19809X
25 /25	PCB clip / Front spacer	164A19819X
37 /37	PCB clip / Front spacer	164A19829X

No. of pos.	Mounting style M3	Part Number
09 /09	Threaded insert	164A15729X
15 /15	Threaded insert	164A15739X
25 /25	Threaded insert	164A15749X
37 /37	Threaded insert	164A15759X
09 /09	Front spacer	164A15889X
15 /15	Front spacer	164A15899X
25 /25	Front spacer	164A15909X
37 /37	Front spacer	164A15919X
09 /09	PCB clip / Threaded insert	164A20529X
15 /15	PCB clip / Threaded insert	164A20539X
25 /25	PCB clip / Threaded insert	164A20549X
37 /37	PCB clip / Threaded insert	164A20559X
09 /09	PCB clip / Front spacer	164A19879X
15 /15	PCB clip / Front spacer	164A19889X
25 /25	PCB clip / Front spacer	164A19899X
37 /37	PCB clip / Front spacer	164A19909X

PCB clip .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness

D-SUB STANDARD – DUAL PORT

Solder pin – Angled – Precision machined contacts – .750" / 19.05 mm Connector spacing



RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

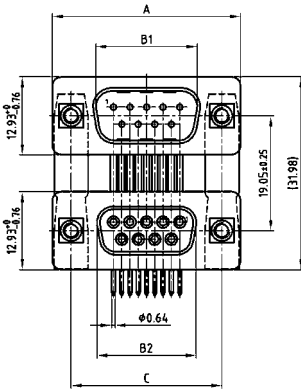
DESCRIPTION

- Variations: pin – pin; socket – socket; pin – socket
- Mounting styles:
 - with mounting bracket and 4-40 UNC or M3 threaded insert
 - with mounting bracket and 4-40 UNC or M3 front spacer
 - with mounting bracket, PCB clip and 4-40 UNC or M3 threaded insert
 - with mounting bracket, PCB clip and 4-40 UNC or M3 front spacer
- Quality class 3 (also available in quality class 1)
- Shell: Steel tin plated (brass tin plated or stainless steel available on request)

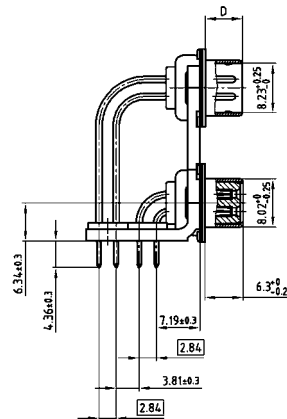
PRODUCT DRAWING

No. of pos.	A -0.76	B1 +0.25	B2 -0.25	C	D -0.30
2X 09	31.19	16.79	16.46	25.00 +0.12	6.12
2X 15	39.52	25.12	24.79	33.30 +0.15 +0.10	6.12
2X 25	53.42	38.84	38.50	47.04 +0.13	5.99
2X 37	69.70	55.30	54.96	63.50 +0.13	5.99

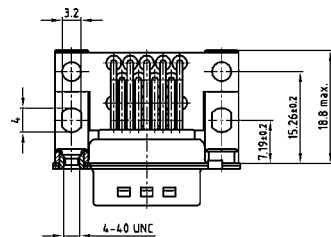
Graphical representation of only one variant!



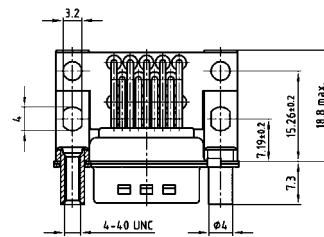
Mounting style: Threaded insert



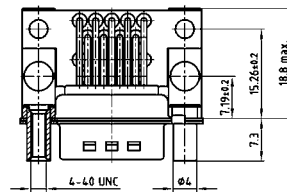
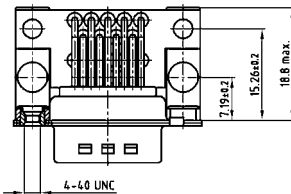
Mounting style: Front spacer



Mounting style: PCB clip, threaded insert



Mounting style: PCB clip, front spacer

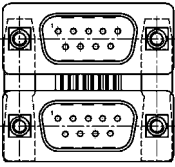


D-SUB STANDARD – DUAL PORT VARIATIONS

Solder pin – Angled – Precision machined contacts – .750" / 19.05 mm Connector spacing

ORDER DATA

PCB-Layout: Kat1iU5A

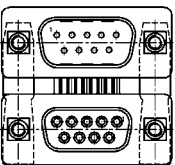


Variation:
plug upper –
plug bottom

No. of pos.	Mounting style 4-40 UNC	Part Number
09 / 09	Threaded insert	163A15519X
15 / 15	Threaded insert	163A15529X
25 / 25	Threaded insert	163A15539X
37 / 37	Threaded insert	163A15549X
09 / 09	Front spacer	163A15679X
15 / 15	Front spacer	163A15689X
25 / 25	Front spacer	163A15699X
37 / 37	Front spacer	163A15709X
09 / 09	PCB clip / Threaded insert	163A19489X
15 / 15	PCB clip / Threaded insert	163A19499X
25 / 25	PCB clip / Threaded insert	163A19509X
37 / 37	PCB clip / Threaded insert	163A19519X
09 / 09	PCB clip / Front spacer	163A19649X
15 / 15	PCB clip / Front spacer	163A19659X
25 / 25	PCB clip / Front spacer	163A19669X
37 / 37	PCB clip / Front spacer	163A19679X

No. of pos.	Mounting style M3	Part Number
09 / 09	Threaded insert	163A15599X
15 / 15	Threaded insert	163A15609X
25 / 25	Threaded insert	163A15619X
37 / 37	Threaded insert	163A15629X
09 / 09	Front spacer	163A15759X
15 / 15	Front spacer	163A15769X
25 / 25	Front spacer	163A15779X
37 / 37	Front spacer	163A15789X
09 / 09	PCB clip / Threaded insert	163A19569X
15 / 15	PCB clip / Threaded insert	163A19579X
25 / 25	PCB clip / Threaded insert	163A19589X
37 / 37	PCB clip / Threaded insert	163A19599X
09 / 09	PCB clip / Front spacer	163A19729X
15 / 15	PCB clip / Front spacer	163A19739X
25 / 25	PCB clip / Front spacer	163A19749X
37 / 37	PCB clip / Front spacer	163A19759X

PCB-Layout: Kat1iU6A

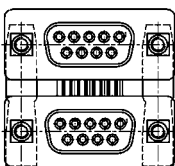


Variation:
plug upper –
socket bottom

No. of pos.	Mounting style 4-40 UNC	Part Number
09 / 09	Threaded insert	163A15559X
15 / 15	Threaded insert	163A15569X
25 / 25	Threaded insert	163A15579X
37 / 37	Threaded insert	163A15589X
09 / 09	Front spacer	163A15719X
15 / 15	Front spacer	163A15729X
25 / 25	Front spacer	163A15739X
37 / 37	Front spacer	163A15749X
09 / 09	PCB clip / Threaded insert	163A19529X
15 / 15	PCB clip / Threaded insert	163A19539X
25 / 25	PCB clip / Threaded insert	163A19549X
37 / 37	PCB clip / Threaded insert	163A19559X
09 / 09	PCB clip / Front spacer	163A19689X
15 / 15	PCB clip / Front spacer	163A19699X
25 / 25	PCB clip / Front spacer	163A19709X
37 / 37	PCB clip / Front spacer	163A19719X

No. of pos.	Mounting style M3	Part Number
09 / 09	Threaded insert	163A15639X
15 / 15	Threaded insert	163A15649X
25 / 25	Threaded insert	163A15659X
37 / 37	Threaded insert	163A15669X
09 / 09	Front spacer	163A15799X
15 / 15	Front spacer	163A15809X
25 / 25	Front spacer	163A15819X
37 / 37	Front spacer	163A15829X
09 / 09	PCB clip / Threaded insert	163A19609X
15 / 15	PCB clip / Threaded insert	163A19619X
25 / 25	PCB clip / Threaded insert	163A19629X
37 / 37	PCB clip / Threaded insert	163A19639X
09 / 09	PCB clip / Front spacer	163A19769X
15 / 15	PCB clip / Front spacer	163A19779X
25 / 25	PCB clip / Front spacer	163A19789X
37 / 37	PCB clip / Front spacer	163A19799X

PCB-Layout: Kat1iU6A

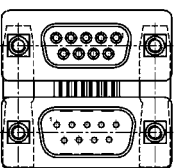


Variation:
socket upper –
socket bottom

No. of pos.	Mounting style 4-40 UNC	Part Number
09 / 09	Threaded insert	164A15929X
15 / 15	Threaded insert	164A15939X
25 / 25	Threaded insert	164A15949X
37 / 37	Threaded insert	164A15959X
09 / 09	Front spacer	164A16089X
15 / 15	Front spacer	164A16099X
25 / 25	Front spacer	164A16109X
37 / 37	Front spacer	164A16119X
09 / 09	PCB clip / Threaded insert	164A19919X
15 / 15	PCB clip / Threaded insert	164A19929X
25 / 25	PCB clip / Threaded insert	164A19939X
37 / 37	PCB clip / Threaded insert	164A19949X
09 / 09	PCB clip / Front spacer	164A20079X
15 / 15	PCB clip / Front spacer	164A20089X
25 / 25	PCB clip / Front spacer	164A20099X
37 / 37	PCB clip / Front spacer	164A20109X

No. of pos.	Mounting style M3	Part Number
09 / 09	Threaded insert	164A16009X
15 / 15	Threaded insert	164A16019X
25 / 25	Threaded insert	164A16029X
37 / 37	Threaded insert	164A16039X
09 / 09	Front spacer	164A16169X
15 / 15	Front spacer	164A16179X
25 / 25	Front spacer	164A16189X
37 / 37	Front spacer	164A16199X
09 / 09	PCB clip / Threaded insert	164A19999X
15 / 15	PCB clip / Threaded insert	164A20009X
25 / 25	PCB clip / Threaded insert	164A20019X
37 / 37	PCB clip / Threaded insert	164A20029X
09 / 09	PCB clip / Front spacer	164A20159X
15 / 15	PCB clip / Front spacer	164A20169X
25 / 25	PCB clip / Front spacer	164A20179X
37 / 37	PCB clip / Front spacer	164A20189X

PCB-Layout: Kat1iU5A



Variation:
socket upper –
plug bottom

No. of pos.	Mounting style 4-40 UNC	Part Number
09 / 09	Threaded insert	164A15969X
15 / 15	Threaded insert	164A15979X
25 / 25	Threaded insert	164A15989X
37 / 37	Threaded insert	164A15999X
09 / 09	Front spacer	164A16129X
15 / 15	Front spacer	164A16139X
25 / 25	Front spacer	164A16149X
37 / 37	Front spacer	164A16159X
09 / 09	PCB clip / Threaded insert	164A19959X
15 / 15	PCB clip / Threaded insert	164A19969X
25 / 25	PCB clip / Threaded insert	164A19979X
37 / 37	PCB clip / Threaded insert	164A19989X
09 / 09	PCB clip / Front spacer	164A20119X
15 / 15	PCB clip / Front spacer	164A20129X
25 / 25	PCB clip / Front spacer	164A20139X
37 / 37	PCB clip / Front spacer	164A20149X

No. of pos.	Mounting style M3	Part Number
09 / 09	Threaded insert	164A16049X
15 / 15	Threaded insert	164A16059X
25 / 25	Threaded insert	164A16069X
37 / 37	Threaded insert	164A16079X
09 / 09	Front spacer	164A16209X
15 / 15	Front spacer	164A16219X
25 / 25	Front spacer	164A16229X
37 / 37	Front spacer	164A16239X
09 / 09	PCB clip / Threaded insert	164A20039X
15 / 15	PCB clip / Threaded insert	164A20049X
25 / 25	PCB clip / Threaded insert	164A20059X
37 / 37	PCB clip / Threaded insert	164A20069X
09 / 09	PCB clip / Front spacer	164A20199X
15 / 15	PCB clip / Front spacer	164A20209X
25 / 25	PCB clip / Front spacer	164A20219X
37 / 37	PCB clip / Front spacer	164A20229X

PCB clip .122"/3.1 ± .004"/0.10 mm hole diameter and .063"/1.6 mm circuit board thickness

D-SUB STANDARD – DUAL PORT

Solder pin – Angled – Stamped contacts –
 .625" / 15.88 mm and .750" / 19.05 mm Connector spacing



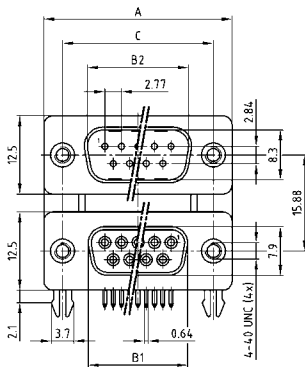
RoHS compliant – CSA listed, File No.: LR 115000-1 – UL listed, File No.: E202784

DESCRIPTION

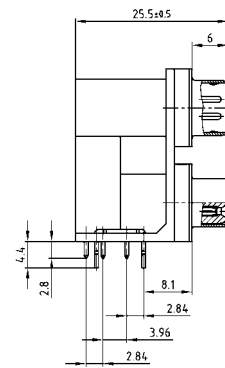
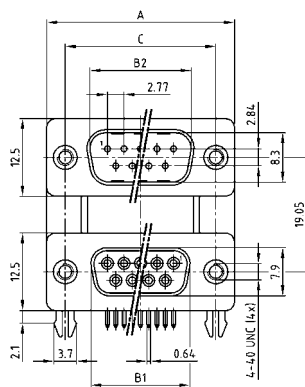
- Variations: pin – pin; socket – socket; pin – socket
- Mounting style:
with mounting bracket, PCB clip and
4-40 UNC threaded insert
- Quality class 3 (other quality classes on request)
- Shell: Steel tin plated

PRODUCT DRAWING

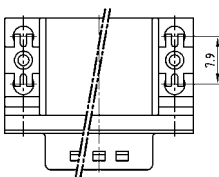
Connector spacing 15.88 mm



Connector spacing 19.05 mm



Mounting style: PCB clip, threaded insert



No. of pos.	A	B1	B2	C
2X 09	30.80	16.30	16.92	25.00
2X 15	39.20	24.60	25.25	33.30
2X 25	53.10	38.30	38.96	47.04
2X 37	69.40	54.80	55.42	63.50

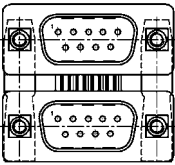
Graphical representation of only one variant!

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Solder pin – Angled – Stamped contacts –

.625" / 15.88 mm and .750" / 19.05 mm Connector spacing

ORDER DATA



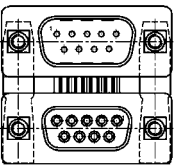
Connector spacing .625" / 15.88 mm

No. of pos.	Mounting style 4-40 UNC	Part Number
09 / 09	PCB clip/Threaded insert	DLS1PP5AN21X
15 / 15	PCB clip/Threaded insert	DLS2PP5AN21X
25 / 25	PCB clip/Threaded insert	DLS3PP5AN21X
37 / 37	PCB clip/Threaded insert	DLS4PP5AN21X

Connector spacing .750" / 19.05 mm

No. of pos.	Mounting style 4-40 UNC	Part Number
09 / 09	PCB clip/Threaded insert	DLS1PP5AN23X
15 / 15	PCB clip/Threaded insert	DLS2PP5AN23X
25 / 25	PCB clip/Threaded insert	DLS3PP5AN23X
37 / 37	PCB clip/Threaded insert	DLS4PP5AN23X

Variation:
plug upper –
plug bottom



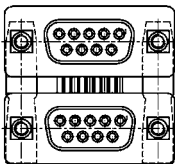
Connector spacing .625" / 15.88 mm

No. of pos.	Mounting style 4-40 UNC	Part Number
09 / 09	PCB clip/Threaded insert	DLS1PS5AN21X
15 / 15	PCB clip/Threaded insert	DLS2PS5AN21X
25 / 25	PCB clip/Threaded insert	DLS3PS5AN21X
37 / 37	PCB clip/Threaded insert	DLS4PS5AN21X

Connector spacing .750" / 19.05 mm

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25 / 25	PCB clip/Threaded insert	DLS3PS5AN23X
37 / 37	PCB clip/Threaded insert	DLS4PS5AN23X

Variation:
plug upper –
socket bottom



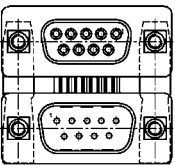
Connector spacing .625" / 15.88 mm

No. of pos.	Mounting style 4-40 UNC	Part Number
09 / 09	PCB clip/Threaded insert	DLS1SS5AN21X
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Variation:
socket upper –
socket bottom



Connector spacing .625" / 15.88 mm

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Connector spacing .750" / 19.05 mm

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PCB clip .122" / 3.1 ± .004" / 0.10 mm hole diameter and .063" / 1.6 mm circuit board thickness

Variation:
socket upper –
plug bottom