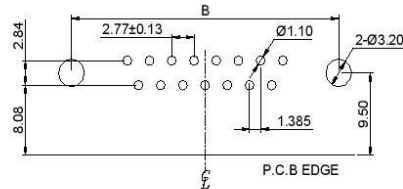
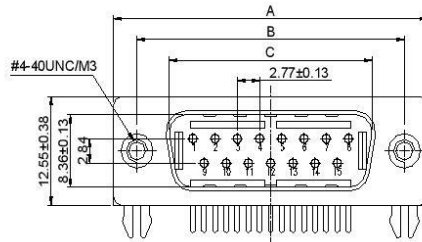


621/622 SERIES

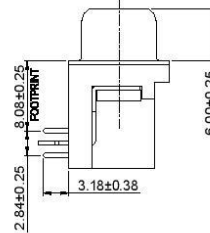
D-Sub Connectors: Right Angle, 0.318" (8.08mm) Footprint



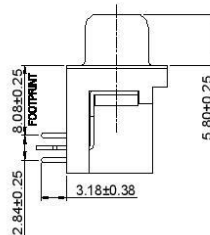
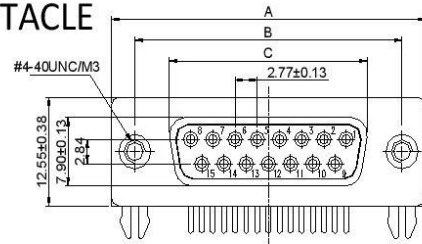
PLUG



RECOMMENDED P.C.B. LAYOUT
(FOR PLUG AND RECEPTACLE)



RECEPTACLE

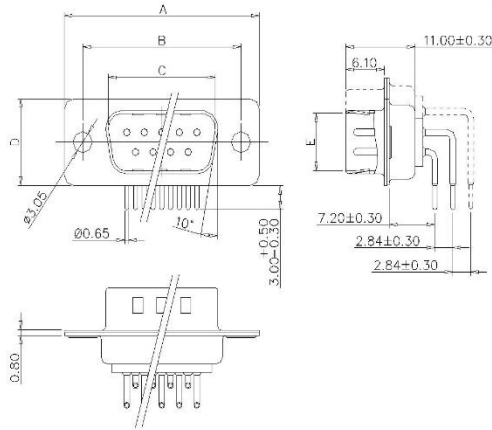


NUMBER OF CONTACTS	A±0.38mm		B±0.25mm		C±0.13mm PLUG		C±0.13mm RECEPTACLE	
	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)
9	1.213	(30.81)	.984	(24.99)	.667	(16.92)	.643	(16.33)
15	1.543	(39.19)	1.312	(33.32)	.994	(25.25)	.971	(24.66)
25	2.088	(53.04)	1.852	(47.04)	1.534	(38.96)	1.511	(38.38)
37	2.729	(69.32)	2.500	(63.50)	2.182	(55.42)	2.159	(54.84)

621M/622M SERIES

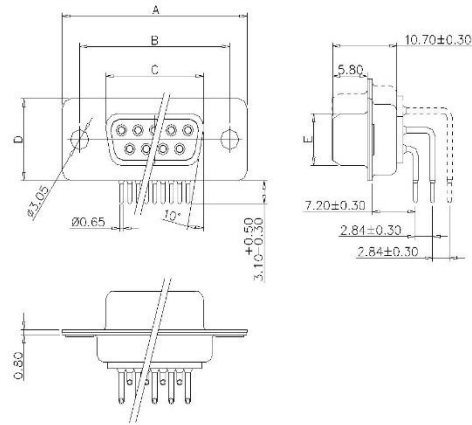


D-Sub Connectors: Right Angle, 0.283"(7.20mm) Footprint



PLUG

No. of Pos.	A	B	C	D	E
09	30.80	25.00	16.90	12.50	8.30
15	39.20	33.30	25.25	12.50	8.30
25	53.05	47.05	38.95	12.50	8.30
37	69.40	63.50	55.40	12.50	8.30
50	67.00	61.00	52.80	15.30	11.15



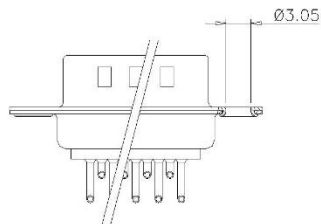
RECEPTACLE

No. of Pos.	A	B	C	D	E
09	30.80	25.00	16.30	12.50	7.90
15	39.20	33.30	24.60	12.50	7.90
25	53.05	47.05	38.40	12.50	7.90
37	69.40	63.50	54.80	12.50	7.90
50	67.00	61.00	52.20	15.30	10.90

MOUNTING & GROUNDING OPTIONS:

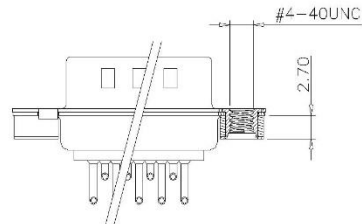
CODE - 1

Ø3.05 THROUGH HOLE



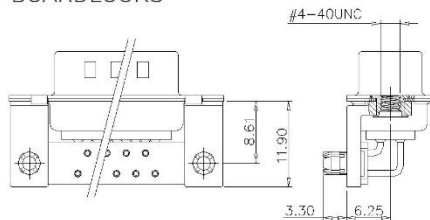
CODE - 2

#4-40 UNC INSERT



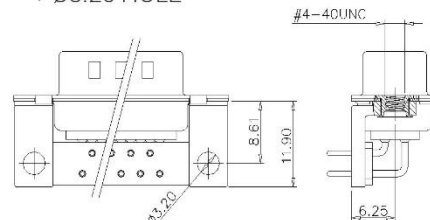
CODE - 3

#4-40 UNC INSERT + STABILIZER PCB + BOARDLOCKS



CODE - 4

#4-40 UNC INSERT + STABILIZER PCB + Ø3.20 HOLE



621M/622M SERIES

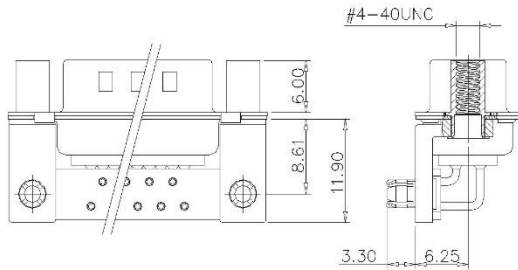


D-Sub Connectors: Right Angle, 0.283" (7.20mm) Footprint

MOUNTING & GROUNDING OPTIONS:

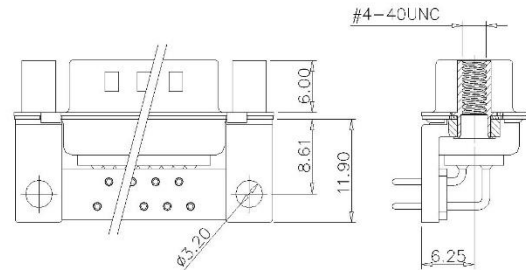
CODE - 5

#4-40 UNC STANDOFF + STABILIZER
PCB + BOARDLOCKS



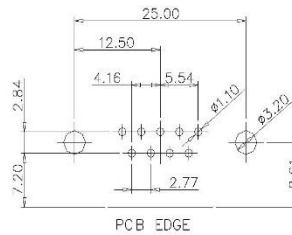
CODE - 6

#4-40 UNC STANDOFF + STABILIZER
PCB + Ø3.20 HOLE

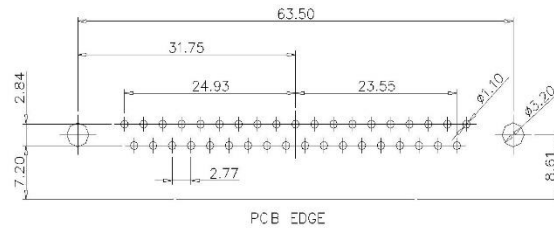


RECOMMENDED PCB LAYOUT

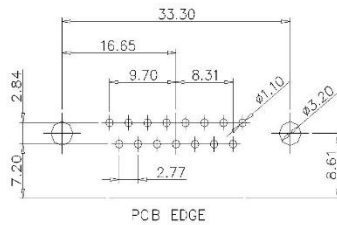
9 POS



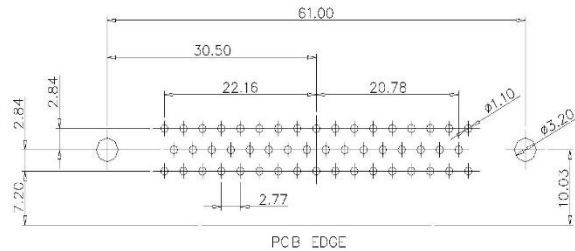
37 POS



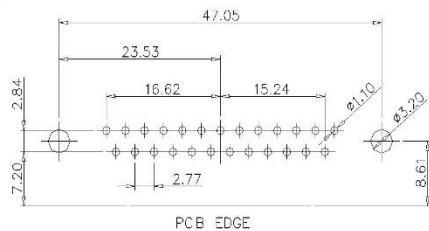
15 POS



50 POS



25 POS

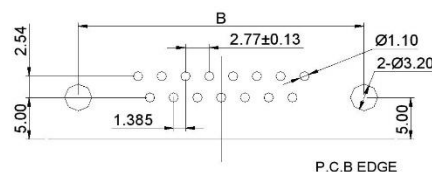
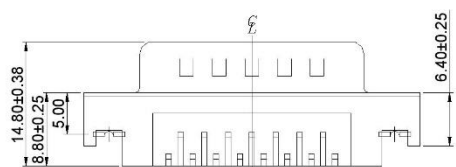
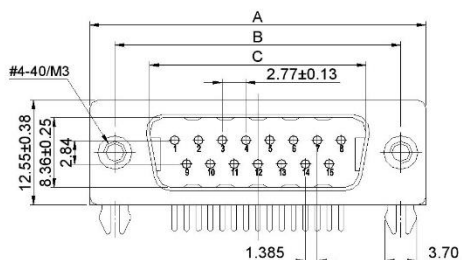


623/624 SERIES

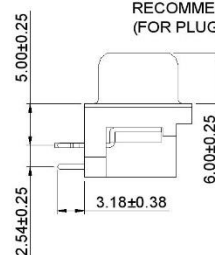
D-Sub Connectors: Right Angle, 0.197" (5.00mm) Footprint



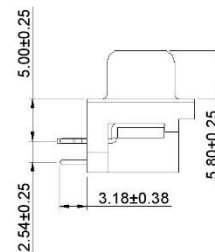
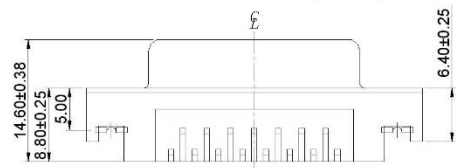
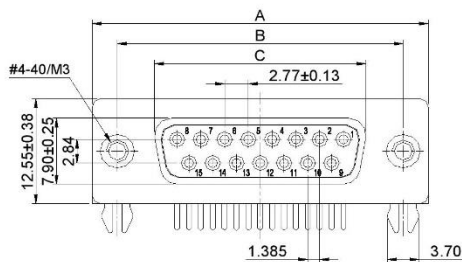
PLUG 623 SERIES



RECOMMENDED P.C.B. LAYOUT
(FOR PLUG AND RECEPTACLE)



RECEPTACLE 624 SERIES



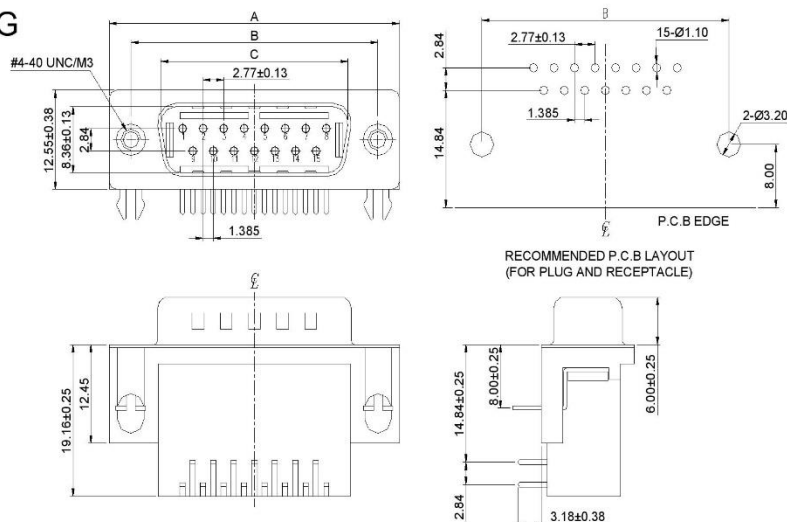
NUMBER OF CONTACTS	A±0.38		B±0.25		C±0.25 PLUG		C±0.13 RECEPTACLE	
	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)
9	1.213	(30.81)	.984	(24.99)	.666	(16.92)	.643	(16.33)
15	1.543	(39.19)	1.312	(33.32)	.994	(25.25)	.971	(24.66)
25	2.088	(53.04)	1.852	(47.04)	1.534	(38.96)	1.511	(38.38)

625/626 SERIES

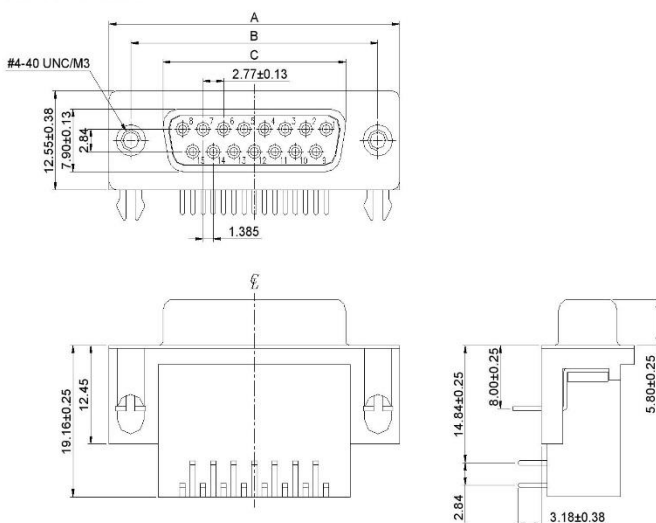


D-Sub Connectors: Right Angle, 0.584" (14.84mm) Footprint

PLUG



RECEPTACLE



NUMBER OF CONTACTS	A±0.38		B±0.25		C±0.13 PLUG		C±0.13 RECEPTACLE	
	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)
9	1.213	(30.81)	.984	(24.99)	.666	(16.92)	.643	(16.33)
15	1.543	(39.19)	1.312	(33.32)	.994	(25.25)	.971	(24.66)
25	2.088	(53.04)	1.852	(47.04)	1.534	(38.96)	1.511	(38.38)
37	2.729	(69.32)	2.500	(63.50)	2.182	(55.42)	2.159	(54.84)

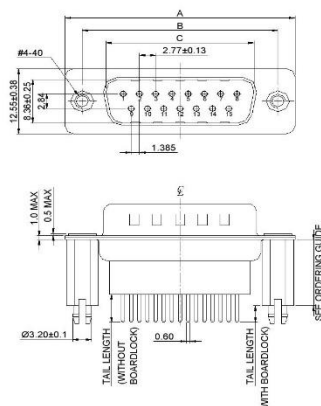
627/628 SERIES

D-Sub Connectors: Vertical, Metal Body

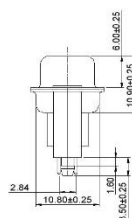


HIGH PROFILE

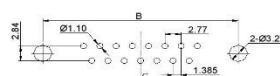
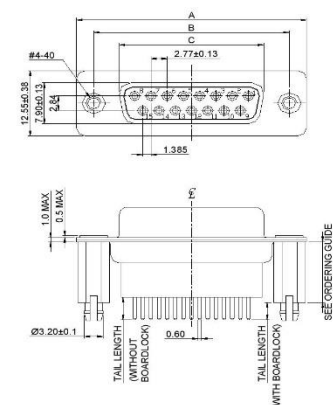
PLUG 627 SERIES HIGH PROFILE



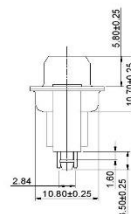
NUMBER OF CONTACTS	A±0.38		B±0.25		C±0.13 PLUG		C±0.13 RECEPTACLE	
	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)
9	1.213	(30.81)	.984	(24.99)	.666	(16.92)	.643	(16.33)
15	1.543	(39.19)	1.312	(33.32)	.994	(25.25)	.971	(24.66)
25	2.088	(53.04)	1.852	(47.04)	1.534	(38.96)	1.511	(38.38)
37	2.729	(69.32)	2.500	(63.50)	2.182	(55.42)	2.159	(54.84)



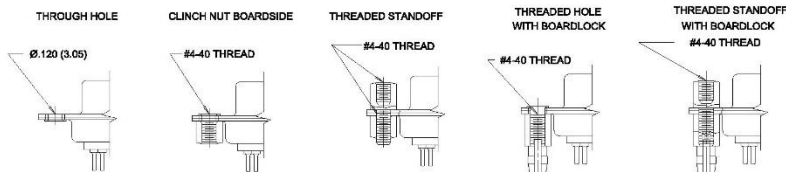
RECEPTACLE 628 SERIES HIGH PROFILE



RECOMMENDED P.C.B LAYOUT FOR PLUG AND RECEPTACLE



FLANGE MOUNTING OPTIONS

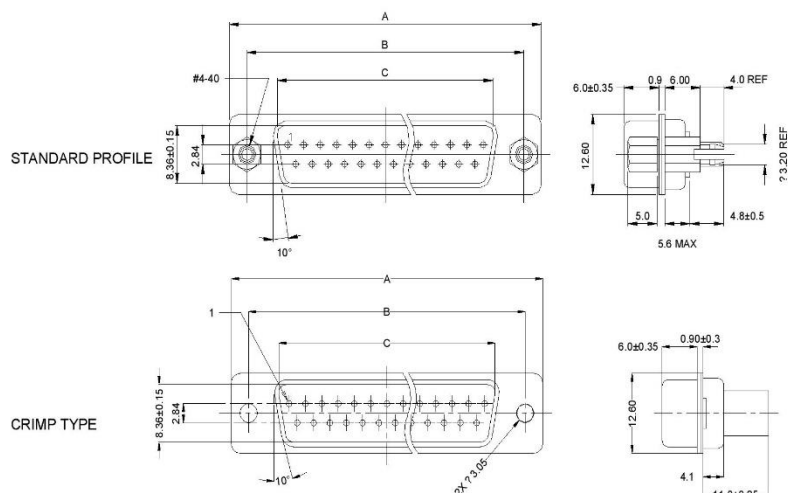


627/628 SERIES

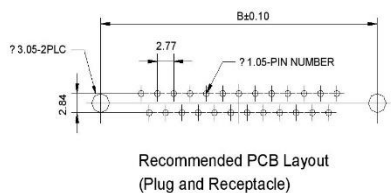
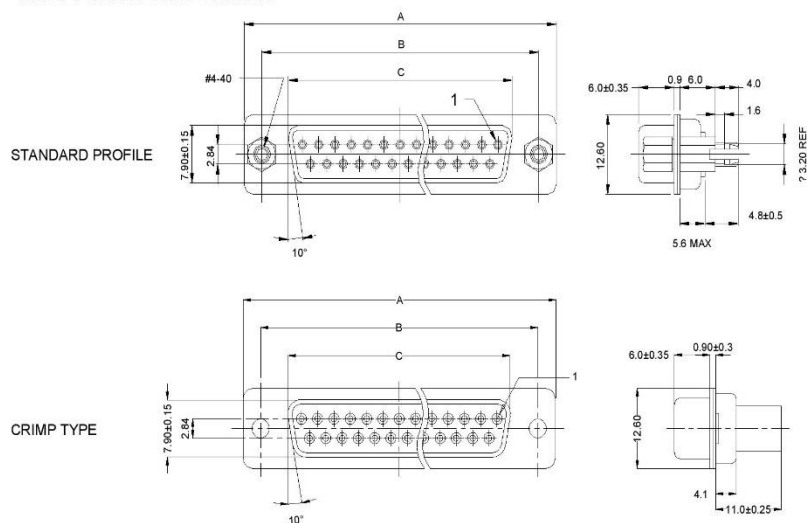


D-Sub Connectors: Vertical, Metal Body

PLUG 627 SERIES



RECEPTACLE 628 SERIES



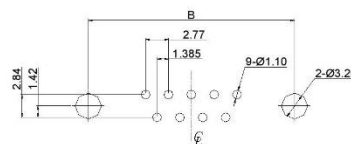
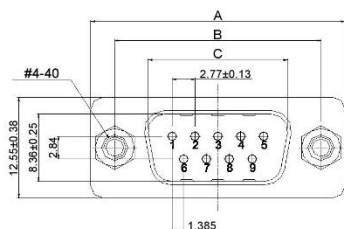
NUMBER OF CONTACTS	A±0.35		B±0.10		C±0.15 PLUG		C±0.15 RECEPTACLE	
	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)
9	1.213	(30.80)	.984	(24.99)	.666	(16.92)	.642	(16.30)
15	1.541	(39.15)	1.312	(33.32)	.994	(25.25)	.970	(24.65)
25	2.087	(53.00)	1.852	(47.04)	1.534	(38.96)	1.512	(38.40)
37	2.728	(69.30)	2.500	(63.50)	2.182	(55.42)	2.157	(54.80)
50	2.638	(67.00)	2.402	(61.00)	2.079	(52.80)	2.055	(52.20)

627/628 SERIES

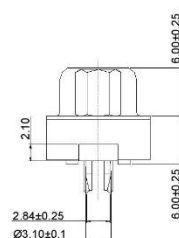
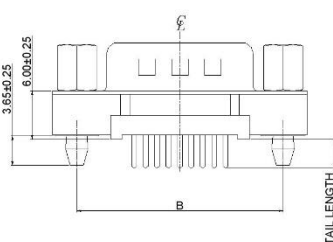
D-Sub Connectors: Vertical, Plastic Body



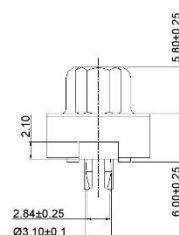
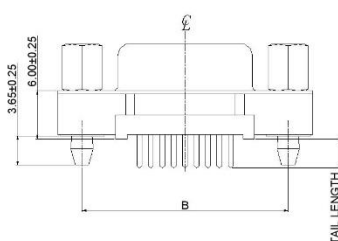
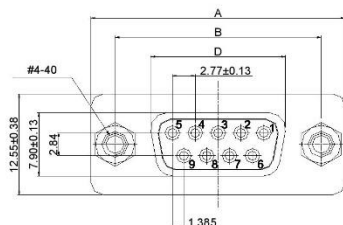
PLUG 627 SERIES



Recommended PCB Layout
(Plug and Receptacle)



RECEPTACLE 628 SERIES



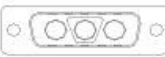
NUMBER OF CONTACTS	A±0.38		B±0.25		C±0.25 PLUG		D±0.13 RECEPTACLE	
	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)
9	1.213	(30.81)	.984	(24.99)	.666	(16.92)	.643	(16.33)
15	1.543	(39.19)	1.312	(33.32)	.994	(25.25)	.971	(24.66)
25	2.088	(53.04)	1.852	(47.04)	1.534	(38.96)	1.534	(38.96)
37	2.729	(69.32)	2.500	(63.50)	2.182	(55.42)	2.159	(54.84)

627C/628C SERIES



Power Combo D-Sub Connectors: Vertical

Layout:

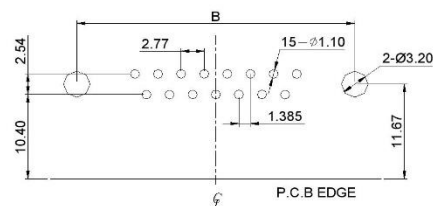
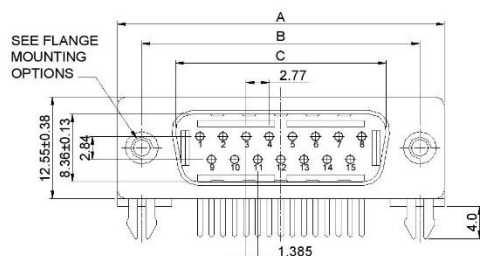
	POWER/COAXIAL D-SUB ONLY	COMBINATION
SIZE 9	 2W2  2WK2	 5W1
SIZE 15	 3W3  3WK3	 7W2  11W1
SIZE 25	 5W5	 9W4  13W3  17W2  21W1
SIZE 37	 8W8	 13W6  17W5  25W3  27W2  21W4
SIZE 50		 24W7  36W4  43W2  47W1

629/630 SERIES

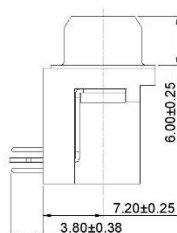
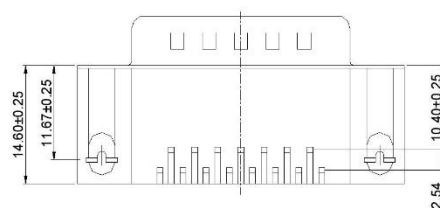


D-Sub Connectors: Right Angle, 0.406" (10.30mm) Footprint

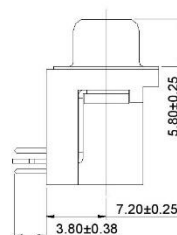
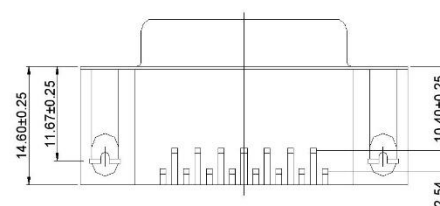
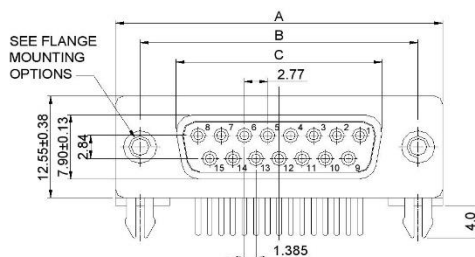
PLUG 629 SERIES



RECOMMENDED P.C.B LAYOUT
(FOR PLUG AND RECEPTACLE)



RECEPTACLE 630 SERIES



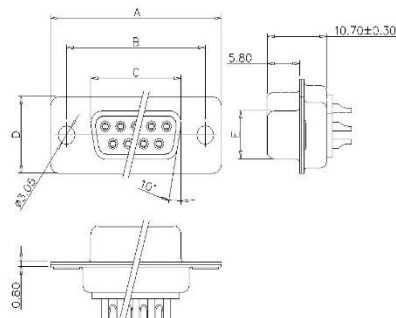
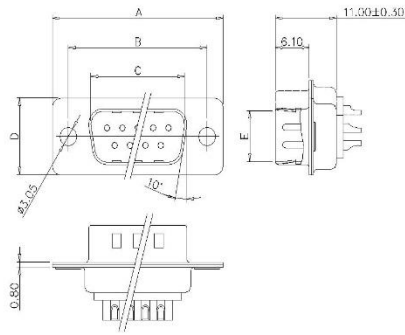
NUMBER OF CONTACTS	A±0.38		B±0.25		C±0.13 PLUG		C±0.13 RECEPTACLE	
	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)
9	1.213	(30.81)	.984	(24.99)	.666	(16.92)	.643	(16.33)
15	1.543	(39.19)	1.312	(33.32)	.994	(25.25)	.971	(24.66)
25	2.088	(53.04)	1.852	(47.04)	1.534	(38.96)	1.511	(38.38)
37	2.729	(69.32)	2.500	(63.50)	2.182	(55.42)	2.159	(54.84)

627M/628M SERIES

Machined D-Sub Connectors: Vertical



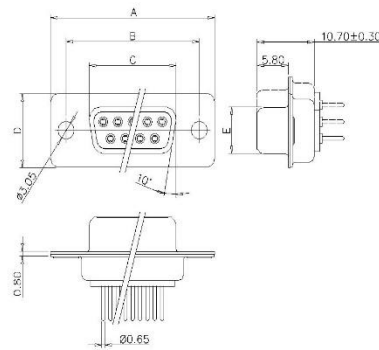
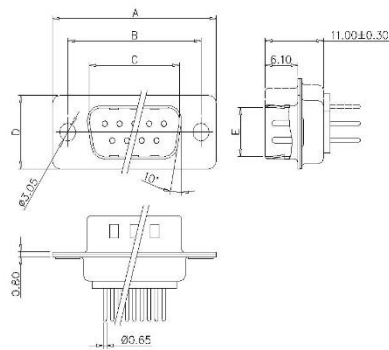
SOLDER CUP



PC TAIL

PLUG

RECEPTACLE



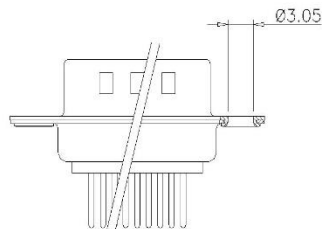
No. of Pos.	A	B	C	D	E
09	30.80	25.00	16.90	12.50	9.30
15	39.20	33.30	25.25	12.50	8.30
25	53.05	47.05	38.95	12.50	8.30
37	69.40	63.50	55.40	12.50	8.30
50	67.00	61.00	52.80	15.30	11.15

No. of Pos.	A	B	C	D	E
09	30.80	25.00	16.30	12.50	7.90
15	39.20	33.30	24.60	12.50	7.90
25	53.05	47.05	38.40	12.50	7.90
37	69.40	63.50	54.80	12.50	7.90
50	67.00	61.00	52.20	15.30	10.90

MOUNTING & GROUNDING OPTIONS:

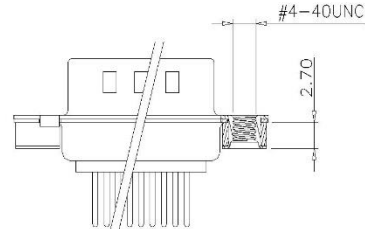
CODE - 1

Ø3.05 Through Hole



CODE - 2

#4-40 UNC, 2.7mm Threaded Insert



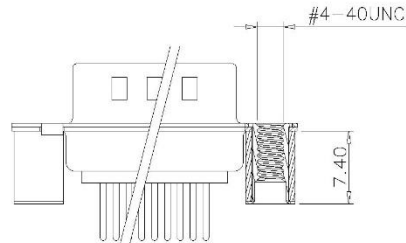
627M/628M SERIES



Machined D-Sub Connectors: Vertical

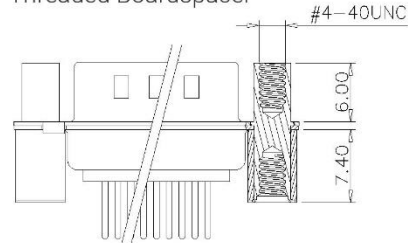
CODE - 3

#4-40 UNC Threaded Boardspacer



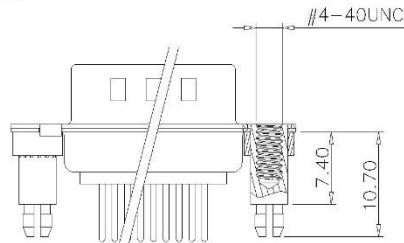
CODE - 4

#4-40 UNC Threaded Standoff with Threaded Boardspacer



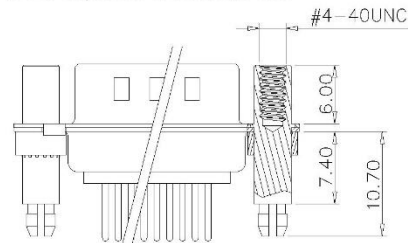
CODE - 5

#4-40 UNC Threaded Boardspacer with Boardlocks

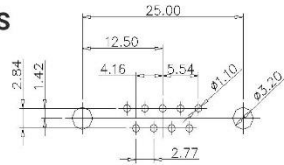


CODE - 6

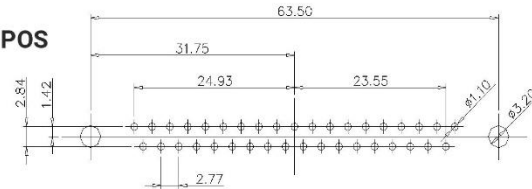
#4-40 UNC Threaded Standoff with Boardspacer & Boardlocks



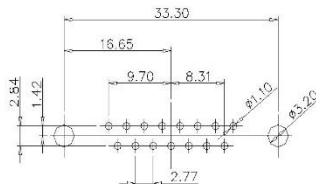
9 POS



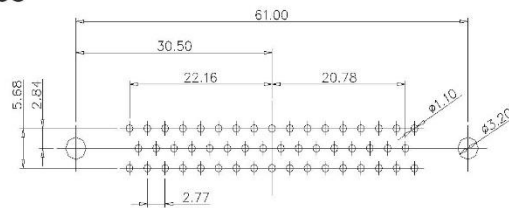
37 POS



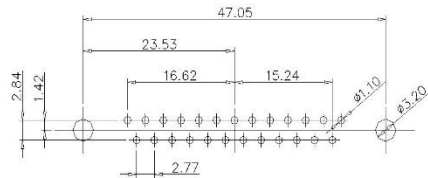
15 POS



50 POS



25 POS

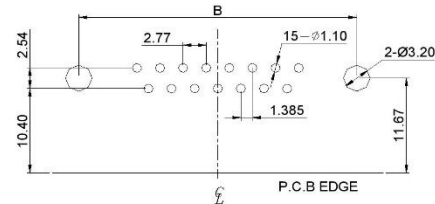
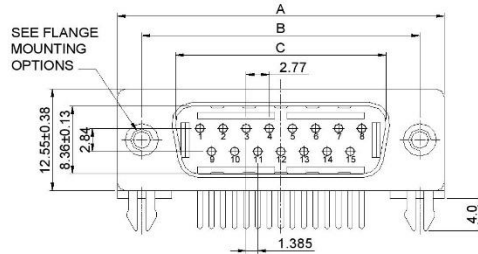


629/630 SERIES

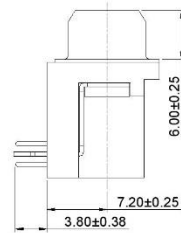
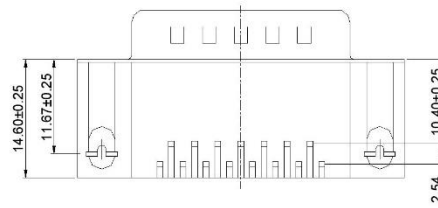


D-Sub Connectors: Right Angle, 0.406" (10.30mm) Footprint

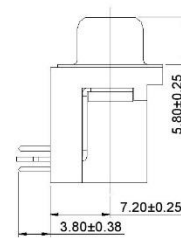
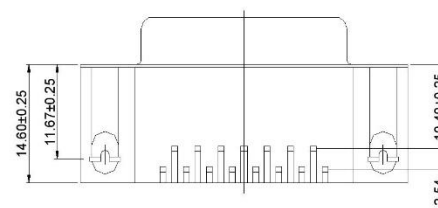
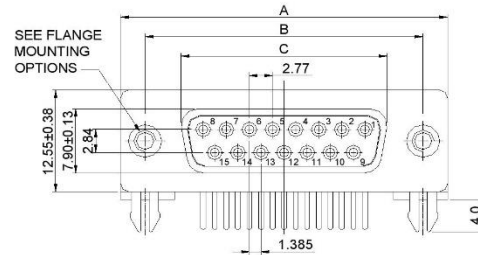
PLUG 629 SERIES



RECOMMENDED P.C.B LAYOUT
(FOR PLUG AND RECEPTACLE)



RECEPTACLE 630 SERIES



NUMBER OF CONTACTS	A±0.38		B±0.25		C±0.13 PLUG		C±0.13 RECEPTACLE	
	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)
9	1.213	(30.81)	.984	(24.99)	.666	(16.92)	.643	(16.33)
15	1.543	(39.19)	1.312	(33.32)	.994	(25.25)	.971	(24.66)
25	2.088	(53.04)	1.852	(47.04)	1.534	(38.96)	1.511	(38.38)
37	2.729	(69.32)	2.500	(63.50)	2.182	(55.42)	2.159	(54.84)

629C/630C SERIES

Power Combo D-Sub Connectors: Right Angle



Layout:

	POWER/COAXIAL D-SUB ONLY		COMBINATION	
SIZE 9	 2W2	 2WK2	 5W1	
SIZE 15	 3W3	 3WK3	 7W2	 11W1
SIZE 25	 5W5		 9W4	 13W3
			 17W2	 21W1
SIZE 37	 8W8		 13W6	 17W5
			 25W3	 27W2
			 21W4	
SIZE 50			 24W7	 36W4
			 43W2	 47W1

629M/630M SERIES



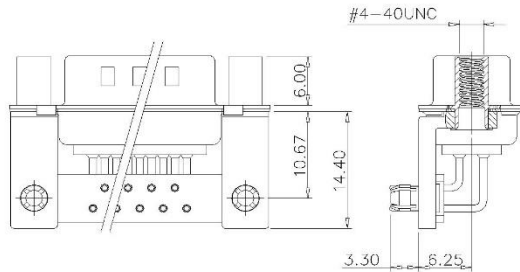
Machined D-Sub Connectors: Right Angle, 0.370" (9.40mm) Footprint



MOUNTING & GROUNDING OPTIONS:

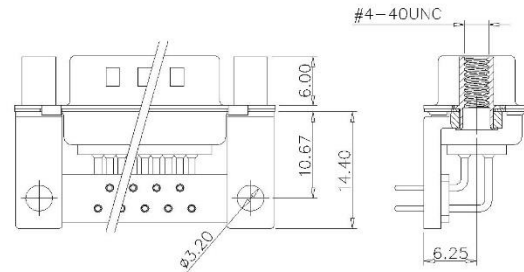
CODE - 5

#4-40 UNC INSERT + STABILIZER PCB
+ BOARDLOCKS



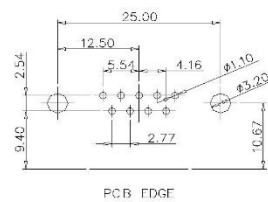
CODE - 6

#4-40 UNC INSERT + STABILIZER PCB
+ Ø3.20 HOLE

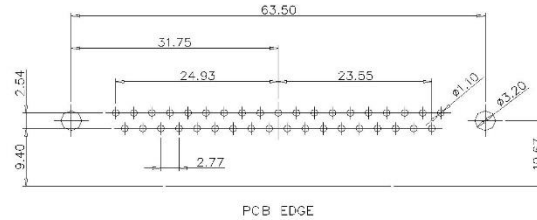


RECOMMENDED PCB LAYOUT

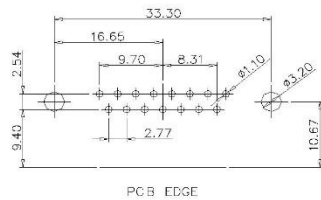
9 pos



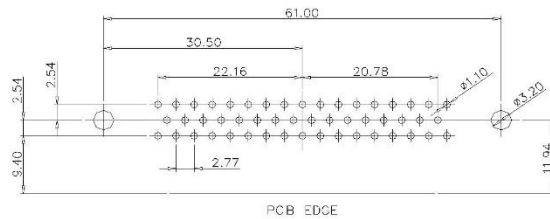
37 pos



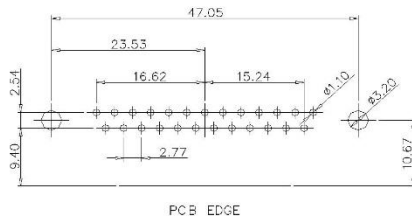
15 pos



50 pos



25 pos



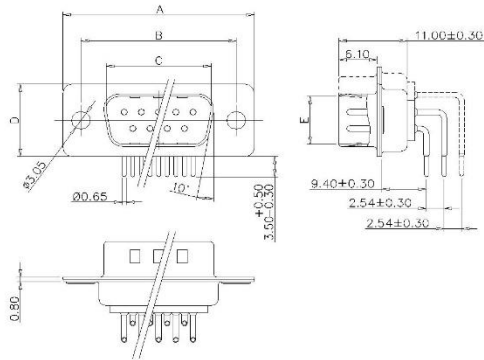
629M/630M SERIES



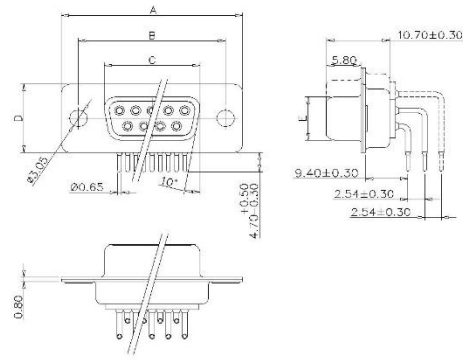
Machined D-Sub Connectors: Right Angle, 0.370" (9.40mm) Footprint



PLUG



RECEPTACLE



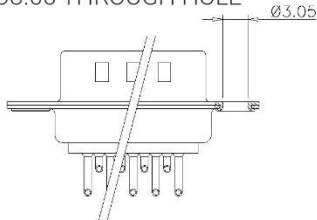
No. of Pos.	A	B	C	D	E
09	30.80	25.00	16.90	12.50	8.30
15	39.20	33.30	25.25	12.50	8.30
25	53.05	47.05	38.95	12.50	8.30
37	69.40	63.50	55.40	12.50	8.30
50	67.00	61.00	52.80	15.30	11.15

No. of Pos.	A	B	C	D	E
09	30.80	25.00	16.30	12.50	7.90
15	39.20	33.30	24.60	12.50	7.90
25	53.05	47.05	38.40	12.50	7.90
37	69.40	63.50	54.80	12.50	7.90
50	67.00	61.00	52.20	15.30	10.90

MOUNTING & GROUNDING OPTIONS:

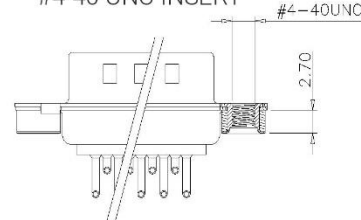
CODE - 1

Ø3.05 THROUGH HOLE



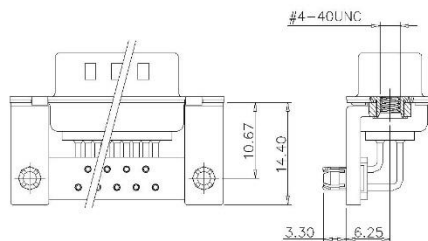
CODE - 2

#4-40 UNC INSERT



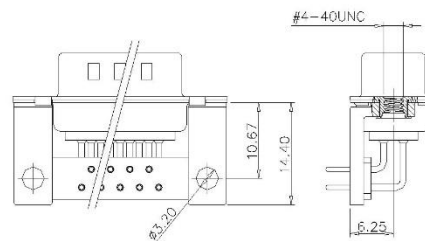
CODE - 3

#4-40 UNC INSERT + STABILIZER PCB + BOARDLOCKS



CODE - 4

#4-40 UNC INSERT + STABILIZER PCB + Ø3.20 HOLE

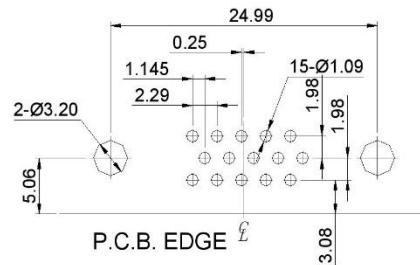
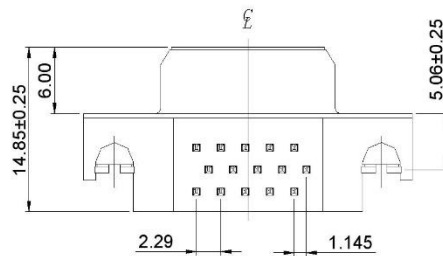
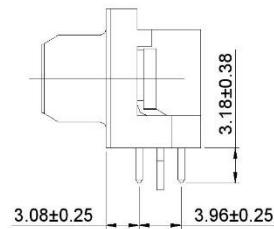
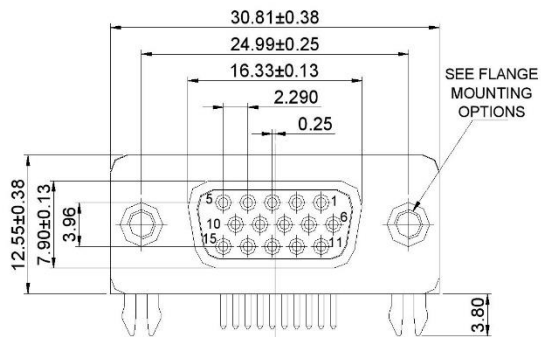


632 SERIES

D-Sub Connectors: Right Angle, High Density, 0.121" (3.08mm) Footprint



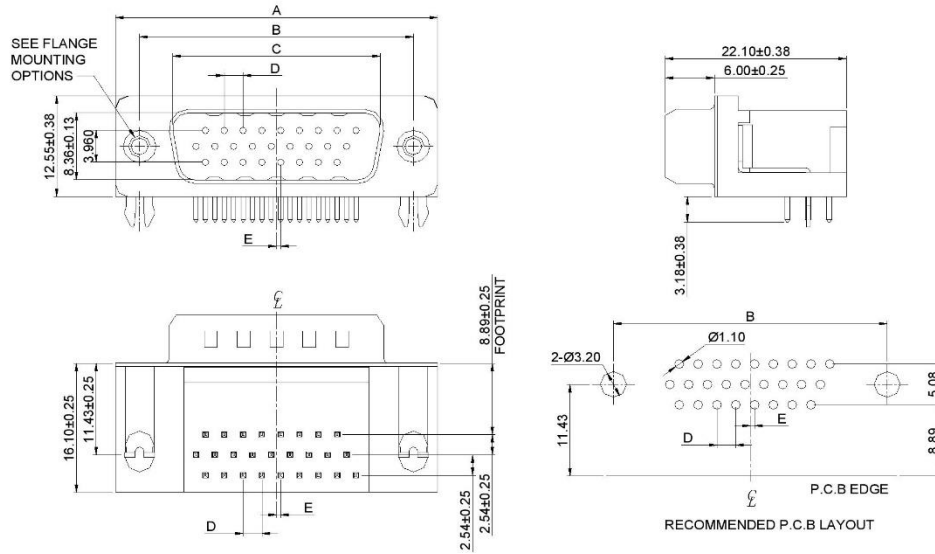
RECEPTACLE 632 SERIES



RECOMMENDED P.C.B. LAYOUT

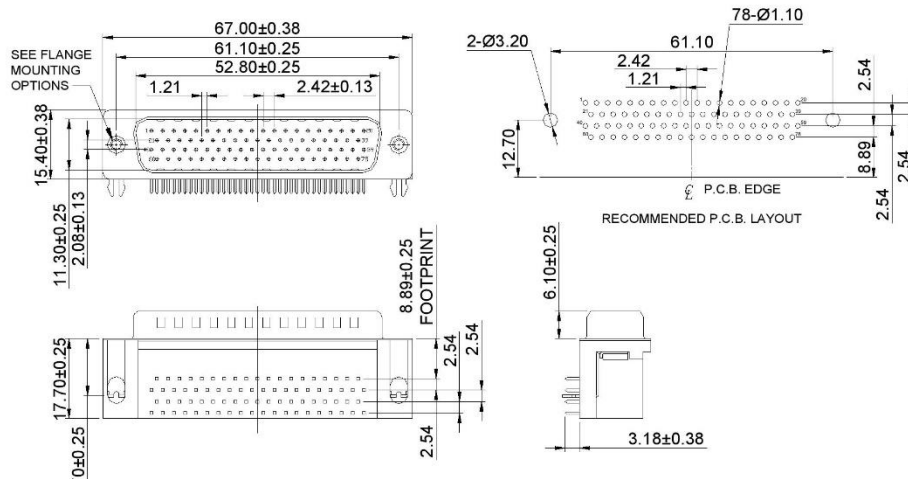
633/634 SERIES

D-Sub Connectors: Right Angle, High Density, 0.350" (8.89mm) Footprint



NUMBER OF CONTACTS	A±0.38		B±0.25		C±0.13		D±0.13		E±0.25	
	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)
15	1.213	(30.81)	.984	(24.99)	.666	(16.92)	.090	(2.29)	.010	(0.25)
26	1.543	(39.19)	1.312	(33.32)	.994	(25.25)	.090	(2.29)	.020	(0.51)
44	2.088	(53.04)	1.852	(47.04)	1.534	(38.96)	.090	(2.29)	.020	(0.51)
62	2.729	(69.32)	2.500	(63.50)	2.182	(55.42)	.095	(2.41)	.023	(0.58)

PLUG 633 SERIES (78 PINS)

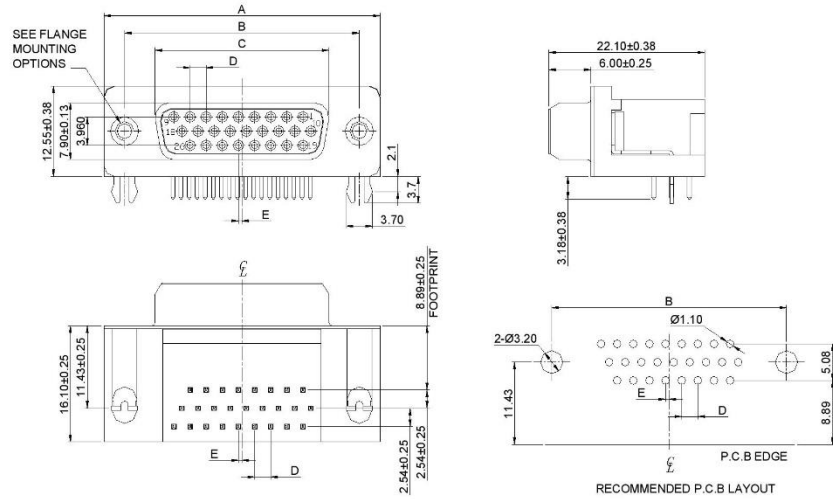


633/634 SERIES

D-Sub Connectors: Right Angle, High Density, 0.350" (8.89mm) Footprint

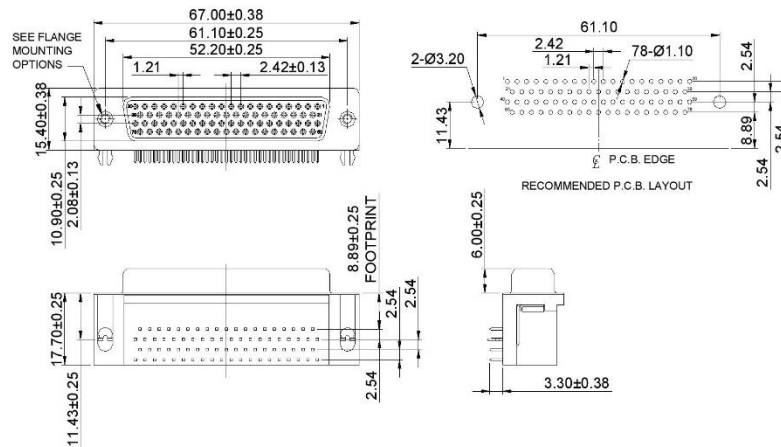


RECEPTACLE 634 SERIES (15 TO 62 PINS)



NUMBER OF CONTACTS	A±0.38		B±0.25		C±0.13		D±0.13		E±0.25	
	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)
15	1.213	(30.81)	.984	(24.99)	.643	(16.33)	.090	(2.29)	.010	(0.25)
26	1.543	(39.19)	1.312	(33.32)	.971	(24.66)	.090	(2.29)	.020	(0.51)
44	2.088	(53.04)	1.852	(47.04)	1.511	(38.38)	.090	(2.29)	.020	(0.51)
62	2.729	(69.32)	2.500	(63.50)	2.159	(54.84)	.095	(2.41)	.023	(0.58)

RECEPTACLE 634 SERIES (78 PINS)



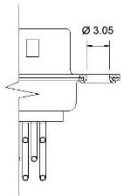
633M/634M SERIES

Machined D-Sub Connectors: Right Angle, High Density, 0.350" (8.89mm) Footprint

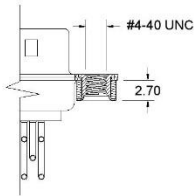


MOUNTING & GROUNDING OPTIONS

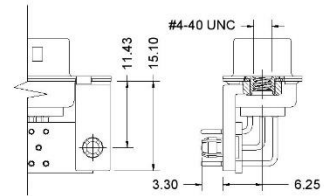
CODE - 1
THRU HOLE



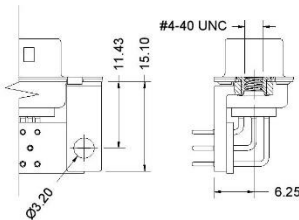
CODE - 2
4-40 UNC INSERT



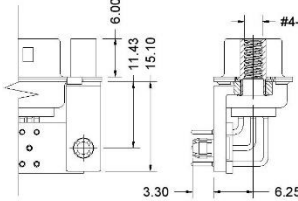
CODE - 3
4-40 UNC INSERT+PCB + BOARDLOCK



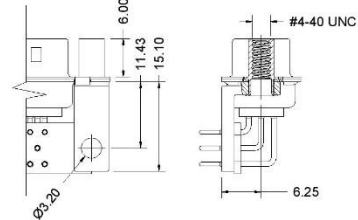
CODE - 4
4-40 UNC INSERT+PCB + THRU HOLE



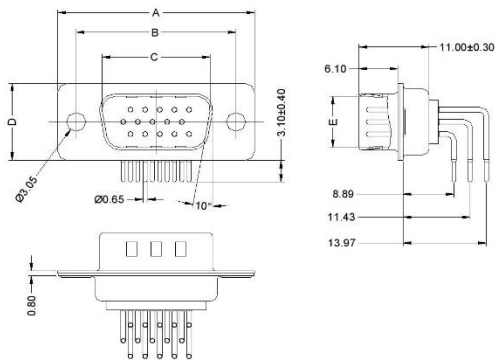
CODE - 5
4-40 UNC STANDOFF+PCB + BOARDLOCK



CODE - 6
4-40 UNC STANDOFF+PCB + THRU HOLE

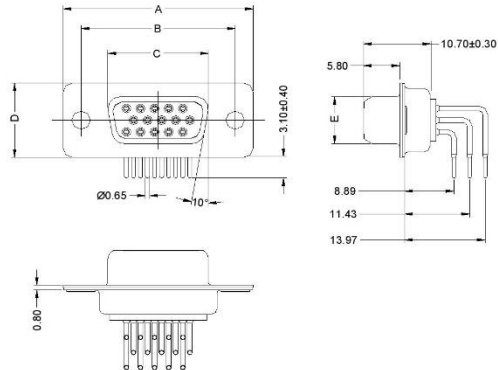


PLUG



No. of pos.	A	B	C	D	E
15	30.80	25.00	16.90	12.50	8.30
26	39.20	33.30	25.25	12.50	8.30
44	53.05	47.05	38.95	12.50	8.30
62	69.40	63.50	55.40	12.50	8.30

RECEPTACLE



No. of pos.	A	B	C	D	E
15	30.80	25.00	16.30	12.50	7.90
26	39.20	33.30	24.60	12.50	7.90
44	53.05	47.05	38.40	12.50	7.90
62	69.40	63.50	54.80	12.50	7.90

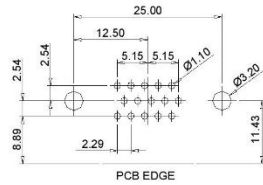
633M/634M SERIES

Machined D-Sub Connectors: Right Angle, High Density, 0.350" (8.89mm) Footprint

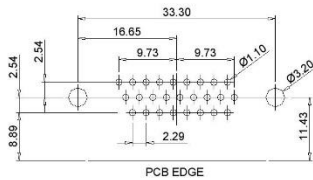


PCB LAYOUT FOR RECEPTACLE

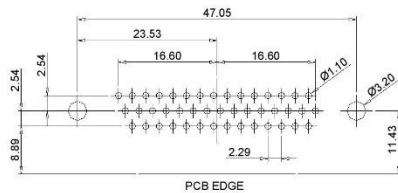
15 Pos



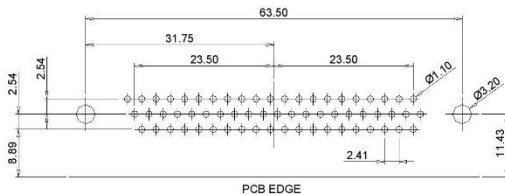
26 Pos



44 Pos

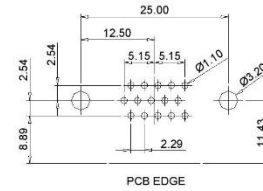


62 Pos

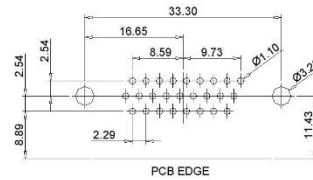


PCB LAYOUT FOR PLUG

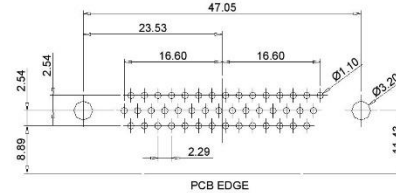
15 Pos



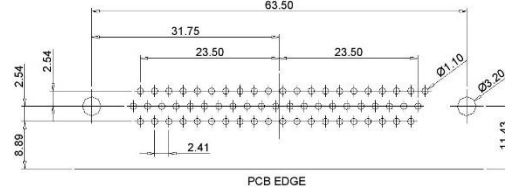
26 Pos



44 Pos



62 Pos



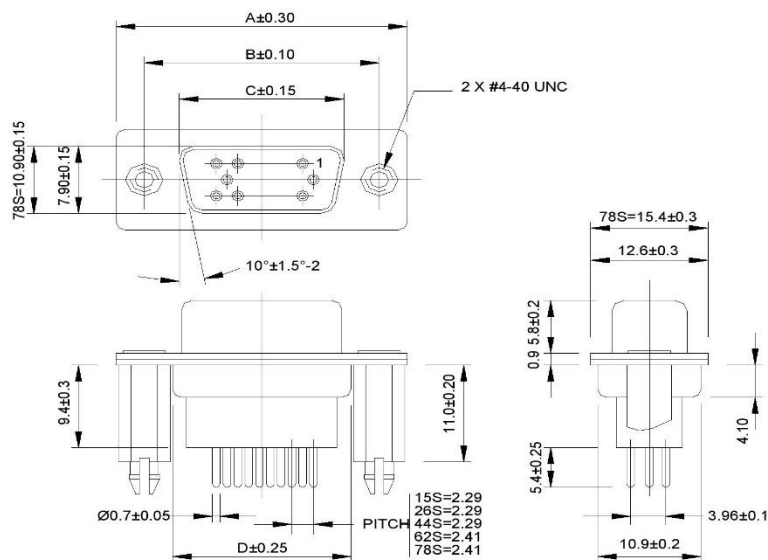
637/638 SERIES

D-Sub Connectors: Vertical, High Density



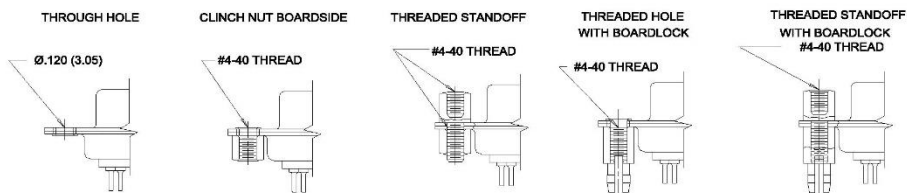
RECEPTACLE 638 SERIES

HIGH PROFILE



NUMBER OF CONTACTS	A		B		C		D	
	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)
15	1.213	(30.80)	.984	(24.99)	.643	(16.34)	.756	(19.20)
26	1.543	(39.20)	1.312	(33.32)	.972	(24.70)	1.091	(27.70)
44	2.087	(53.00)	1.852	(47.04)	1.512	(38.40)	1.618	(41.10)
62	2.732	(69.40)	2.500	(63.50)	2.157	(54.80)	2.256	(57.30)
78	2.638	(67.00)	2.406	(61.10)	2.055	(52.20)	2.169	(55.10)

FLANGE MOUNTING OPTIONS



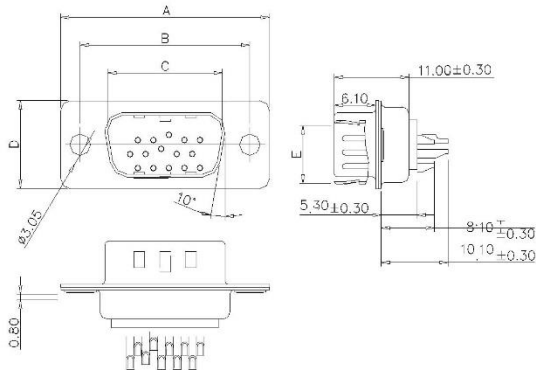
637M/638M SERIES

Machined D-Sub Connectors: Vertical, High Density



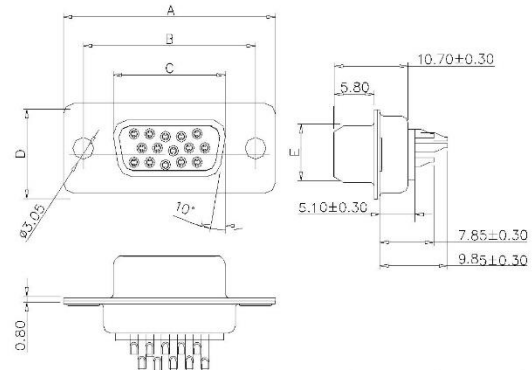
PLUG

SOLDER CUP



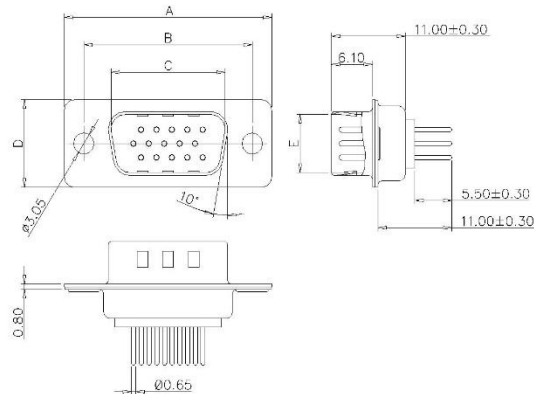
No. of pos.	A	B	C	D	E
15	30.80	25.00	16.90	12.50	8.30
26	39.20	33.30	25.25	12.50	8.30
44	53.05	47.05	38.95	12.50	8.30
62	69.40	63.50	55.40	12.50	8.30

RECEPTACLE

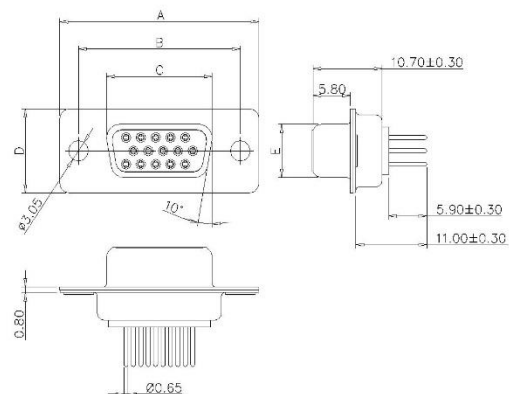


No. of pos.	A	B	C	D	E
15	30.80	25.00	16.30	12.50	7.90
26	39.20	33.30	24.60	12.50	7.90
44	53.05	47.05	38.40	12.50	7.90
62	69.40	63.50	54.80	12.50	7.90

PCB TAIL



No. of pos.	A	B	C	D	E
15	30.80	25.00	16.90	12.50	8.30
26	39.20	33.30	25.25	12.50	8.30
44	53.05	47.05	38.95	12.50	8.30
62	69.40	63.50	55.40	12.50	8.30



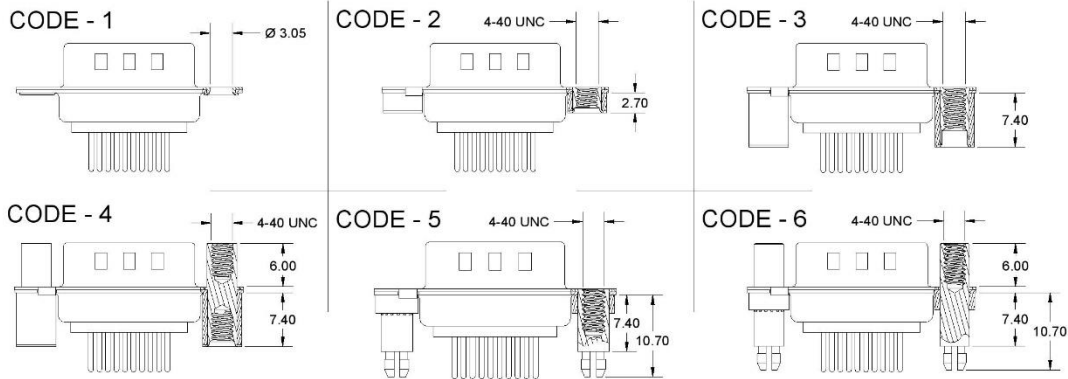
No. of pos.	A	B	C	D	E
15	30.80	25.00	16.30	12.50	7.90
26	39.20	33.30	24.60	12.50	7.90
44	53.05	47.05	38.40	12.50	7.90
62	69.40	63.50	54.80	12.50	7.90

637M/638M SERIES

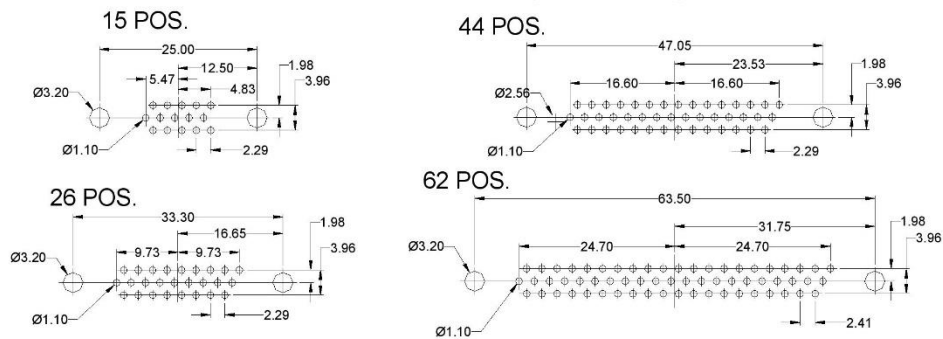
Machined D-Sub Connectors: Vertical, High Density



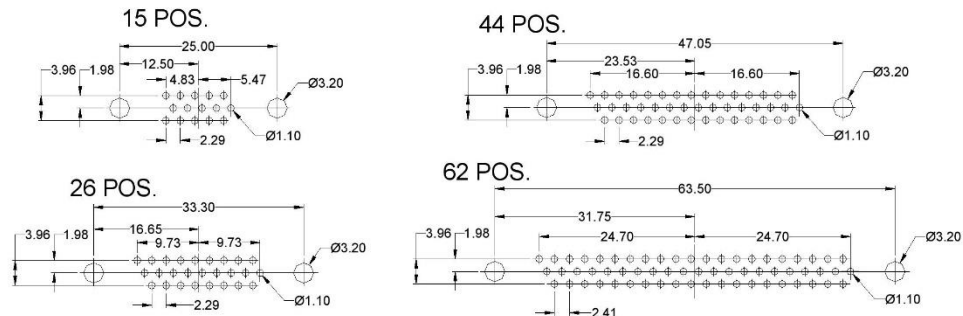
MOUNTING & GROUNDING OPTIONS



PCB LAYOUT (PLUG)



PCB LAYOUT (RECEPTACLE)



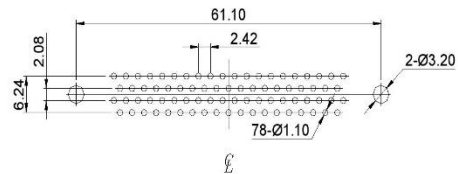
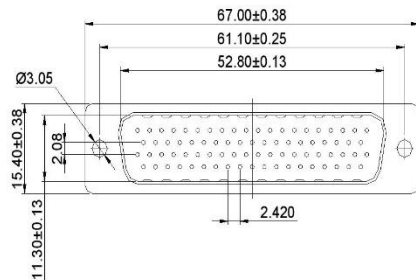
637/638 SERIES

D-Sub Connectors: Vertical, High Density

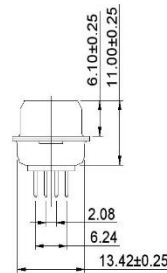
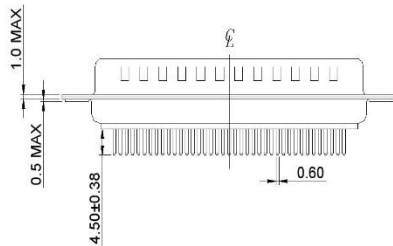


78 PIN STANDARD PROFILE

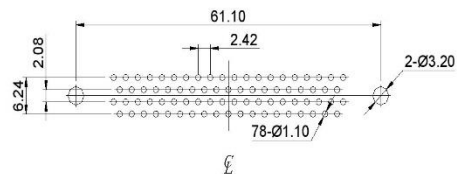
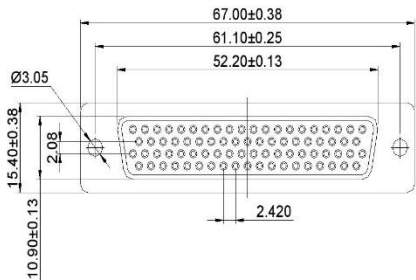
PLUG 637 SERIES



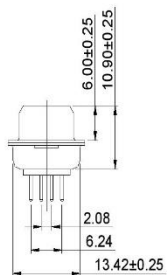
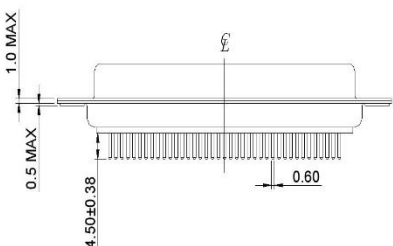
RECOMMENDED PCB LAYOUT



RECEPTACLE 638 SERIES



RECOMMENDED PCB LAYOUT



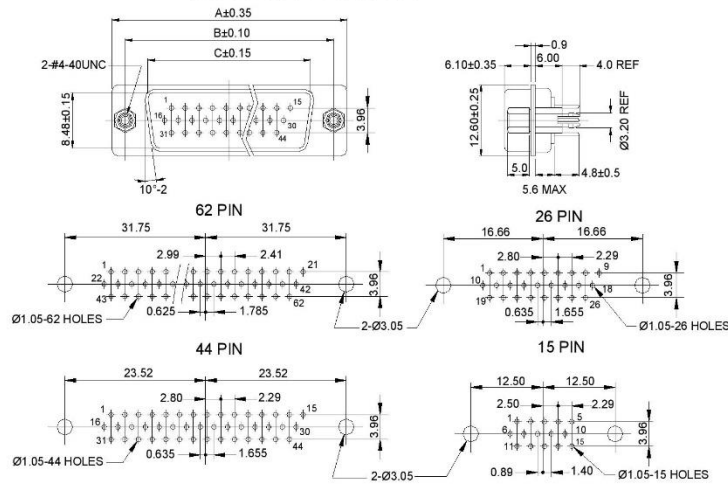
637/638 SERIES

D-Sub Connectors: Vertical, High Density

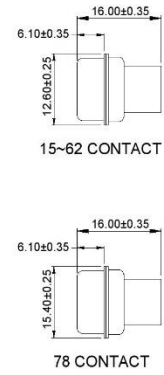


PLUG 637 SERIES

STANDARD PROFILE

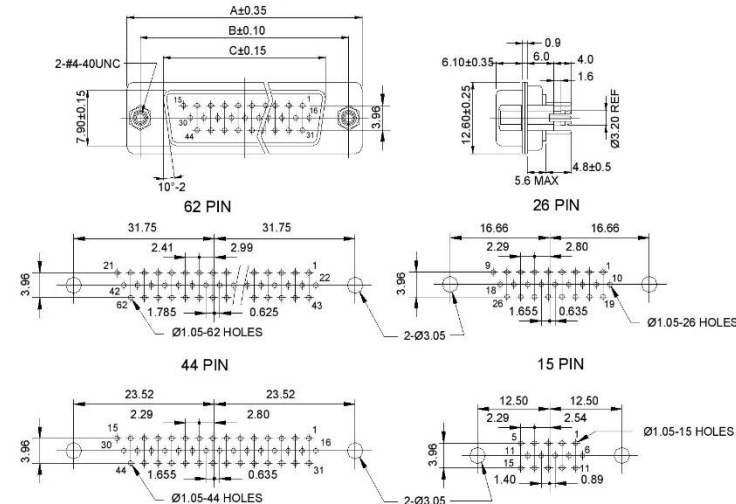


CRIMP TYPE

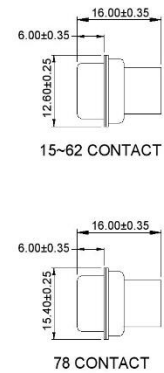


RECEPTACLE 638 SERIES

STANDARD PROFILE



CRIMP TYPE

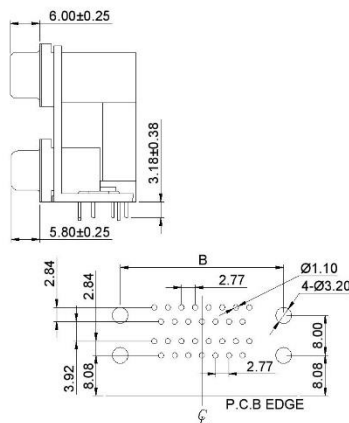


NUMBER OF CONTACTS	A		B		C PLUG		C RECEPTACLE	
	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)
15	1.213	(30.80)	.984	(24.99)	.666	(16.92)	.642	(16.30)
26	1.541	(39.15)	1.312	(33.32)	.994	(25.25)	.970	(24.65)
44	2.087	(53.00)	1.852	(47.04)	1.534	(38.96)	1.512	(38.40)
62	2.728	(69.30)	2.500	(63.50)	2.182	(55.42)	2.157	(54.80)

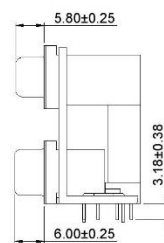
EDAC

D-SUB+

D-SUB+



Technical drawing of the 1000mm x 1000mm x 100mm 3D printer bed, showing three views: top, front, and side. The top view shows a rectangular bed with a central area of 2770mm x 2770mm, surrounded by a 2.84mm thick frame. The front view shows the bed's height of 8.08mm and a width of 19.60mm. The side view shows the bed's depth of 14.84mm and a width of 19.60mm. Dimensions are given in millimeters with tolerances.



CTR TO CTR VERTICAL SPACING	E±0.25	F±0.38
	Inch (mm)	Inch (mm)
	.625 (15.88)	1.119 (28.43)
	.750 (19.05)	1.244 (31.60)
	.900 (22.86)	1.394 (35.41)

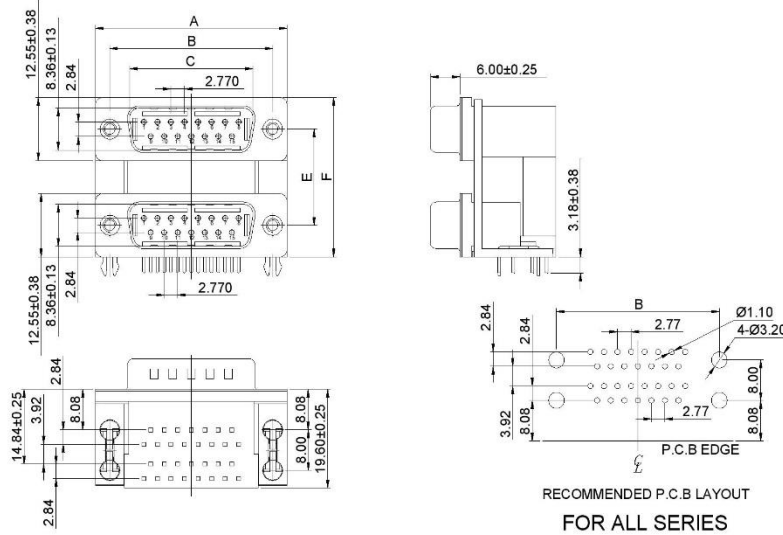
NUMBER OF CONTACTS	A±0.38		B±0.25		C±0.13 PLUG		D±0.13 RECEPTACLE	
	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)
9	1.213	(30.81)	.984	(24.99)	.666	(16.92)	.643	(16.33)
15	1.543	(39.19)	1.312	(33.32)	.994	(25.25)	.971	(24.66)
25	2.088	(53.04)	1.852	(47.04)	1.534	(38.96)	1.511	(38.38)
37	2.729	(69.32)	2.500	(63.50)	2.182	(55.42)	2.159	(54.84)

661/662/663/664 SERIES

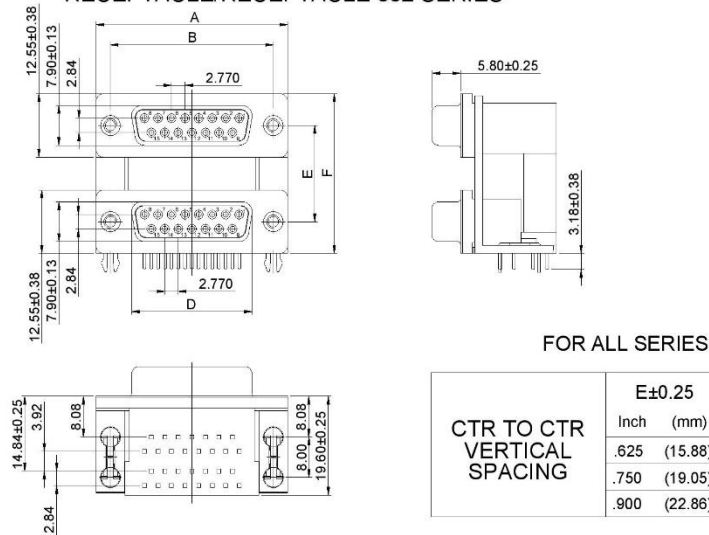


D-Sub Connectors: Dual Port, Right Angle

PLUG/PLUG 661 SERIES



RECEPTACLE/RECEPTACLE 662 SERIES



FOR ALL SERIES

CTR TO CTR VERTICAL SPACING	E±0.25		F±0.38	
	Inch	(mm)	Inch	(mm)
.625	(15.88)	1.119	(28.43)	
.750	(19.05)	1.244	(31.60)	
.900	(22.86)	1.394	(35.41)	

FOR ALL SERIES

NUMBER OF CONTACTS	A±0.38		B±0.25		C±0.13 PLUG		D±0.13 RECEPTACLE	
	Inch	(mm)	Inch	(mm)	Inch	(mm)	Inch	(mm)
9	1.213	(30.81)	.984	(24.99)	.666	(16.92)	.643	(16.33)
15	1.543	(39.19)	1.312	(33.32)	.994	(25.25)	.971	(24.66)
25	2.088	(53.04)	1.852	(47.04)	1.534	(38.96)	1.511	(38.38)
37	2.729	(69.32)	2.500	(63.50)	2.182	(55.42)	2.159	(54.84)