

SMA Connector Series

Performance Features

Nominal Impedance	50ohm
Frequency Range	DC-27GHz
VSWR:	
DC-18GHz...	1.10:1 max
18-27GHz...	1.15:1 max
Durability	500cycles
Operating Temperature	-55°C ~ +165°C

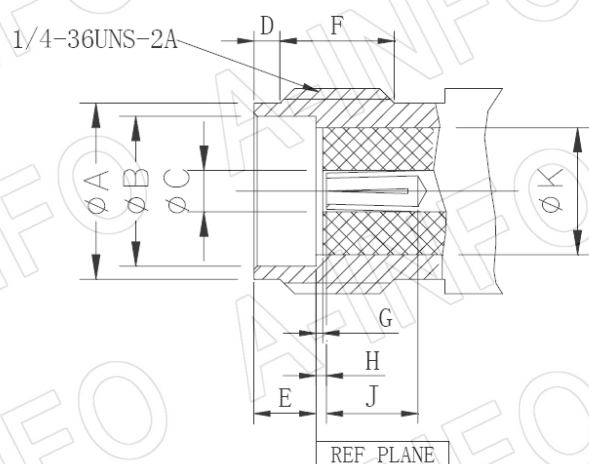
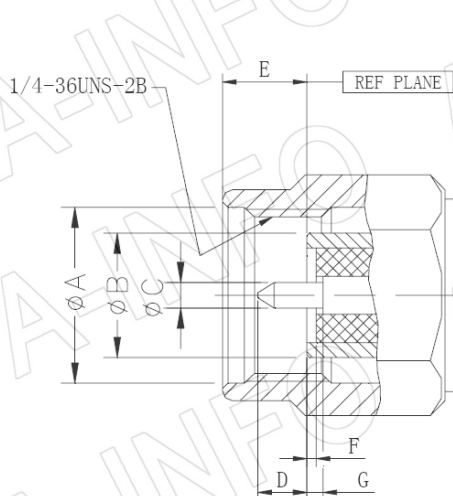
Materials/Finishes

Housing: Type 303 Stainless Steel-Polished&Passivated

Center Contact: Beryllium Copper Plated Gold
(MIL-G-45204)

Insulators: PEI or PEI&PTFE

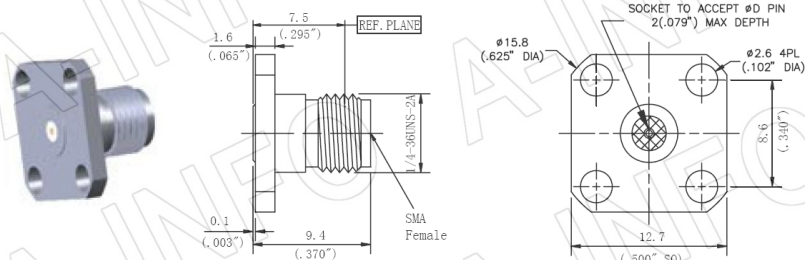
Interfaces: **PER MIL-STD-348A**



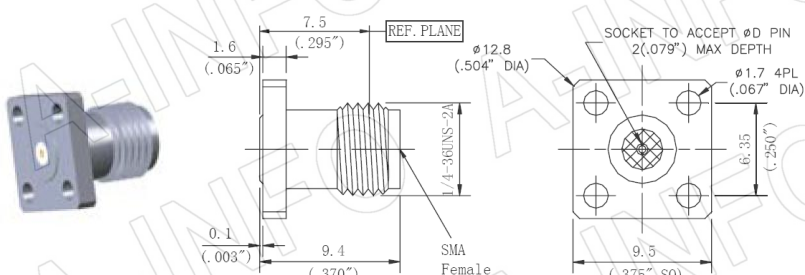
SMA Male				
	mm		Inch	
LTR	Min	Max	Min	Max
A	6.473	6.6	0.255	0.265
B	4.52	4.59	0.1780	0.1808
C	0.90	0.93	0.0355	0.0365
D	2.03	2.29	0.080	0.090
E	2.59	3.35	0.102	0.132
F	0.00	0.05	0.000	0.002
G	0.00	0.08	0.000	0.003

SMA Female				
	mm		Inch	
LTR	Min	Max	Min	Max
A	5.28	5.49	0.208	0.216
B	4.60	4.67	0.1810	0.1837
C	1.27	1.29	0.0500	0.0506
D	0.38	1.14	0.015	0.045
E	1.88	1.98	0.074	0.078
F	3.81	-	0.150	-
G	0.00	0.05	0.000	0.002
H	0.00	0.08	0.000	0.003
J	2.34	-	0.100	-
K	4.10	4.13	0.1615	0.1625

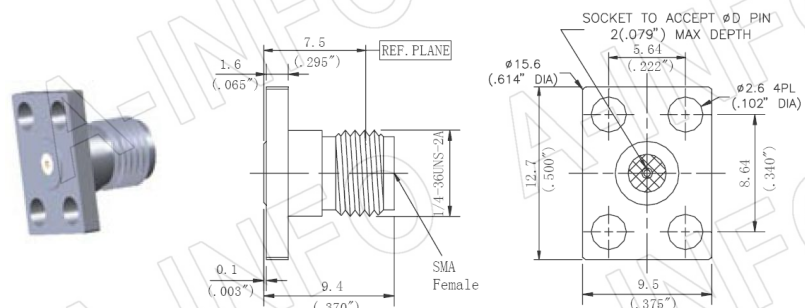
SMA Series Field Replaceable Flange Connectors



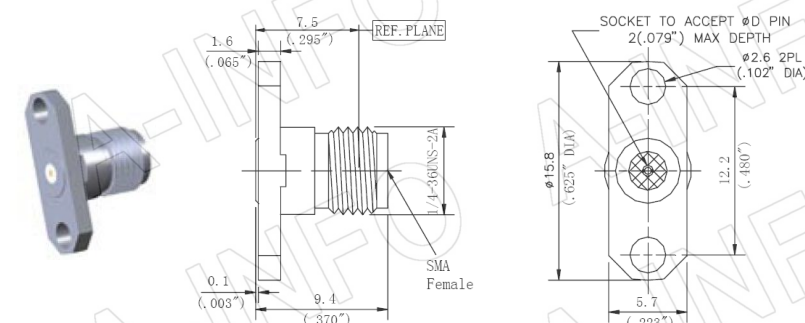
P/N	D
HPC1010-09	0.009inch/0.23mm
HPC1010-12	0.012inch/0.30mm
HPC1010-15	0.015inch/0.38mm
HPC1010-18	0.018inch/0.46mm
HPC1010-20	0.020inch/0.51mm



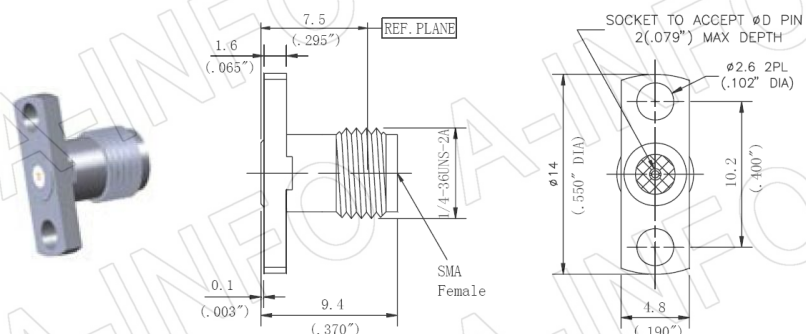
P/N	D
HPC1011-09	0.009inch/0.23mm
HPC1011-12	0.012inch/0.30mm
HPC1011-15	0.015inch/0.38mm
HPC1011-18	0.018inch/0.46mm
HPC1011-20	0.020inch/0.51mm



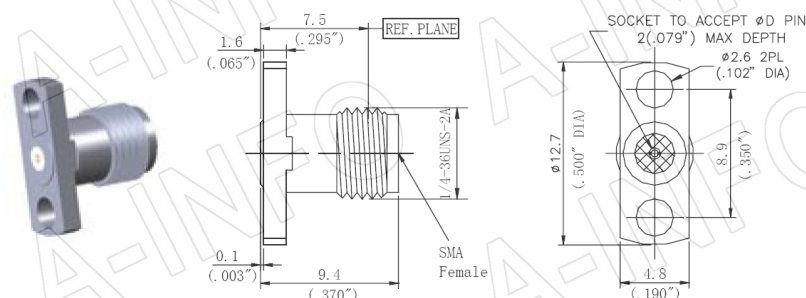
P/N	D
HPC1012-09	0.009inch/0.23mm
HPC1012-12	0.012inch/0.30mm
HPC1012-15	0.015inch/0.38mm
HPC1012-18	0.018inch/0.46mm
HPC1012-20	0.020inch/0.51mm



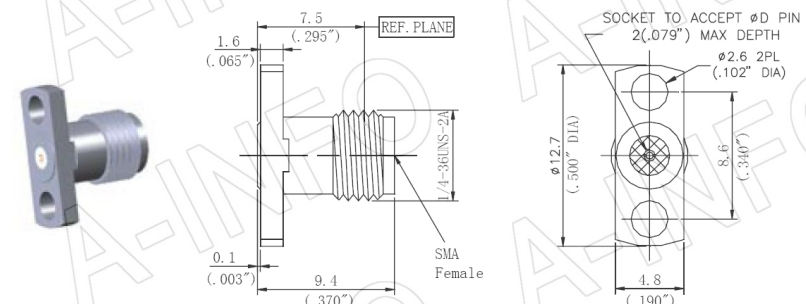
P/N	D
HPC1013-09	0.009inch/0.23mm
HPC1013-12	0.012inch/0.30mm
HPC1013-15	0.015inch/0.38mm
HPC1013-18	0.018inch/0.46mm
HPC1013-20	0.020inch/0.51mm



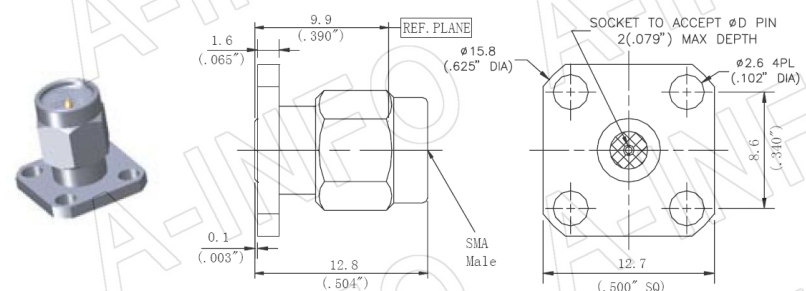
P/N	D
HPC1014-09	0.009inch/0.23mm
HPC1014-12	0.012inch/0.30mm
HPC1014-15	0.015inch/0.38mm
HPC1014-18	0.018inch/0.46mm
HPC1014-20	0.020inch/0.51mm



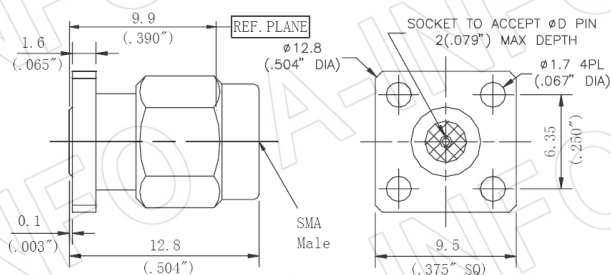
P/N	D
HPC1015-09	0.009inch/0.23mm
HPC1015-12	0.012inch/0.30mm
HPC1015-15	0.015inch/0.38mm
HPC1015-18	0.018inch/0.46mm
HPC1015-20	0.020inch/0.51mm



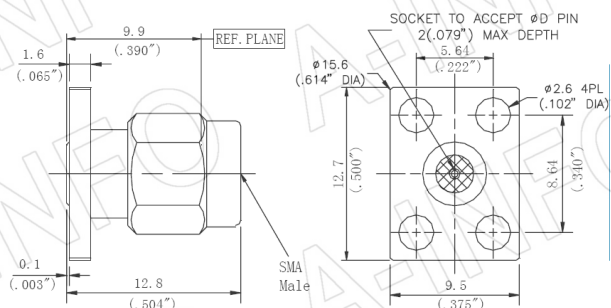
P/N	D
HPC1016-09	0.009inch/0.23mm
HPC1016-12	0.012inch/0.30mm
HPC1016-15	0.015inch/0.38mm
HPC1016-18	0.018inch/0.46mm
HPC1016-20	0.020inch/0.51mm



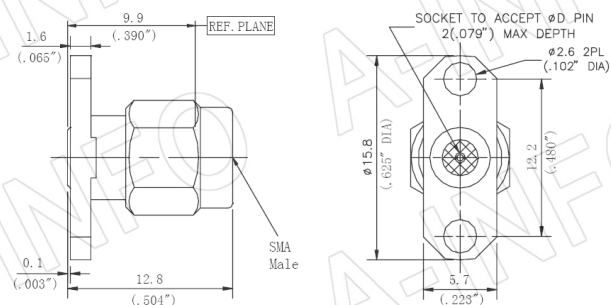
P/N	D
HPC1017-09	0.009inch/0.23mm
HPC1017-12	0.012inch/0.30mm
HPC1017-15	0.015inch/0.38mm
HPC1017-18	0.018inch/0.46mm
HPC1017-20	0.020inch/0.51mm



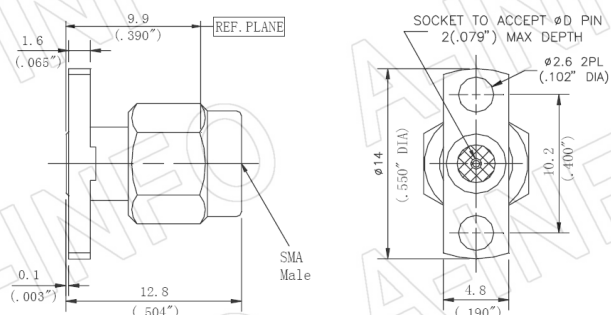
P/N	D
HPC1018-09	0.009inch/0.23mm
HPC1018-12	0.012inch/0.30mm
HPC1018-15	0.015inch/0.38mm
HPC1018-18	0.018inch/0.46mm
HPC1018-20	0.020inch/0.51mm



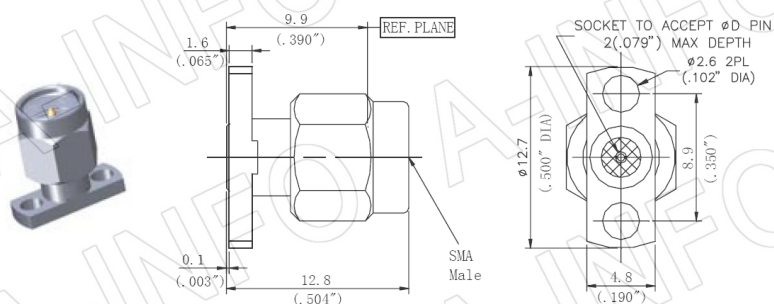
P/N	D
HPC1019-09	0.009inch/0.23mm
HPC1019-12	0.012inch/0.30mm
HPC1019-15	0.015inch/0.38mm
HPC1019-18	0.018inch/0.46mm
HPC1019-20	0.020inch/0.51mm



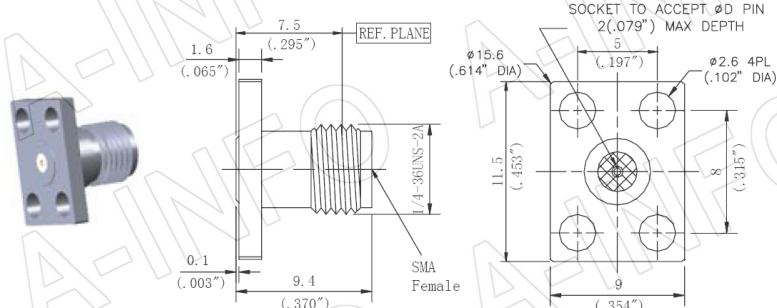
P/N	D
HPC1020-09	0.009inch/0.23mm
HPC1020-12	0.012inch/0.30mm
HPC1020-15	0.015inch/0.38mm
HPC1020-18	0.018inch/0.46mm
HPC1020-20	0.020inch/0.51mm



P/N	D
HPC1021-09	0.009inch/0.23mm
HPC1021-12	0.012inch/0.30mm
HPC1021-15	0.015inch/0.38mm
HPC1021-18	0.018inch/0.46mm
HPC1021-20	0.020inch/0.51mm

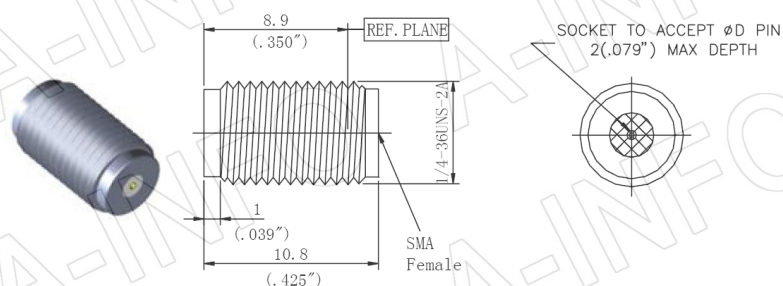


P/N	D
HPC1022-09	0.009inch/0.23mm
HPC1022-12	0.012inch/0.30mm
HPC1022-15	0.015inch/0.38mm
HPC1022-18	0.018inch/0.46mm
HPC1022-20	0.020inch/0.51mm



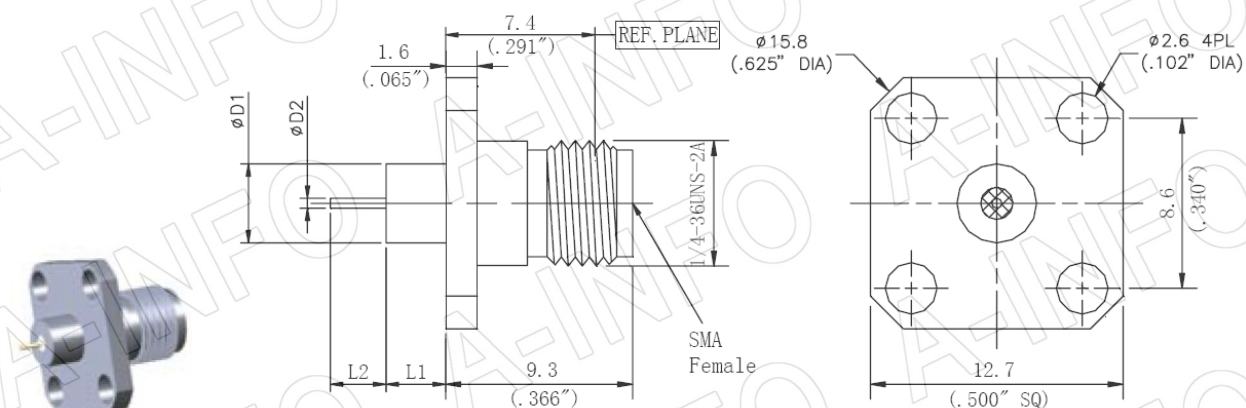
P/N	D
HPC1023-09	0.009inch/0.23mm
HPC1023-12	0.012inch/0.30mm
HPC1023-15	0.015inch/0.38mm
HPC1023-18	0.018inch/0.46mm
HPC1023-20	0.020inch/0.51mm

SMA Series Remove Screw Thread Connector

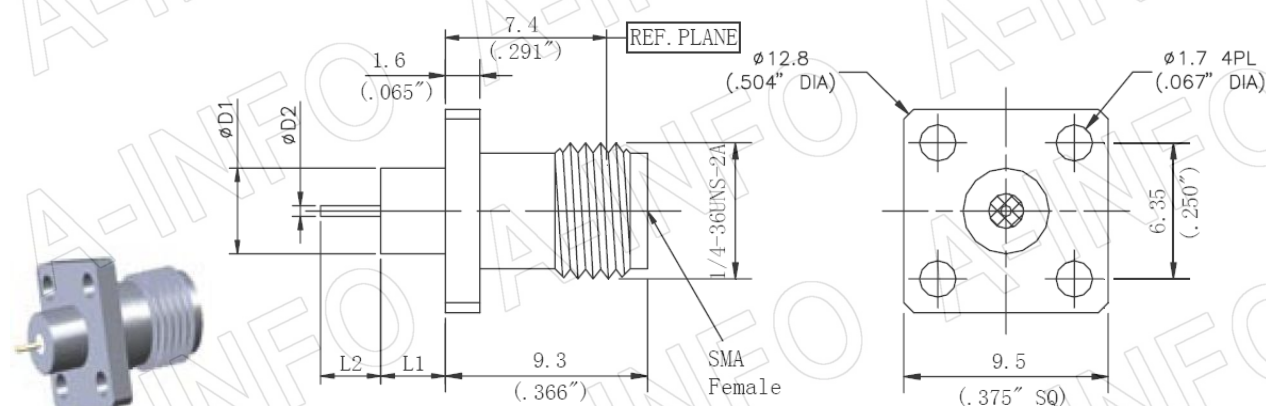


P/N	D
HPC1311-09	0.009inch/0.23mm
HPC1311-12	0.012inch/0.30mm
HPC1311-15	0.015inch/0.38mm
HPC1311-18	0.018inch/0.46mm
HPC1311-20	0.020inch/0.51mm

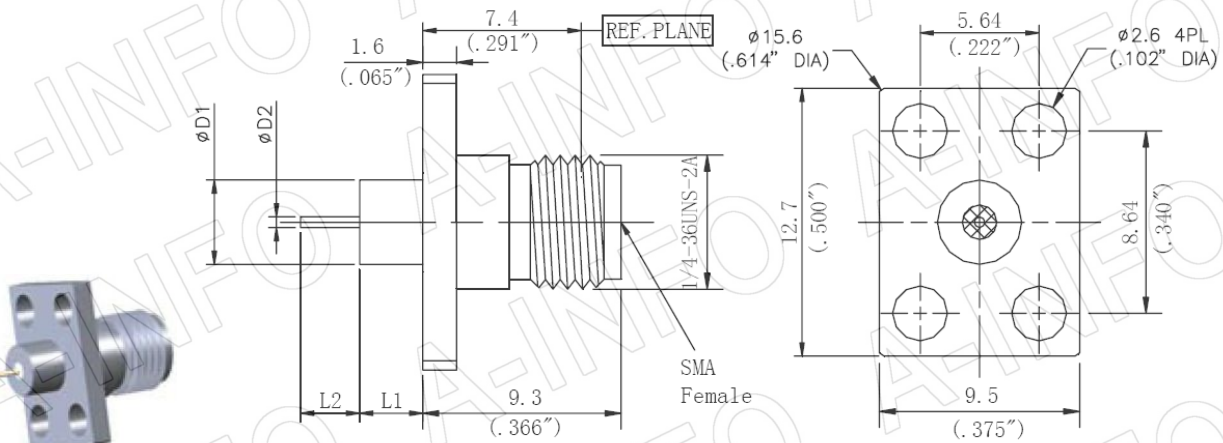
SMA Series Round Contact Connectors



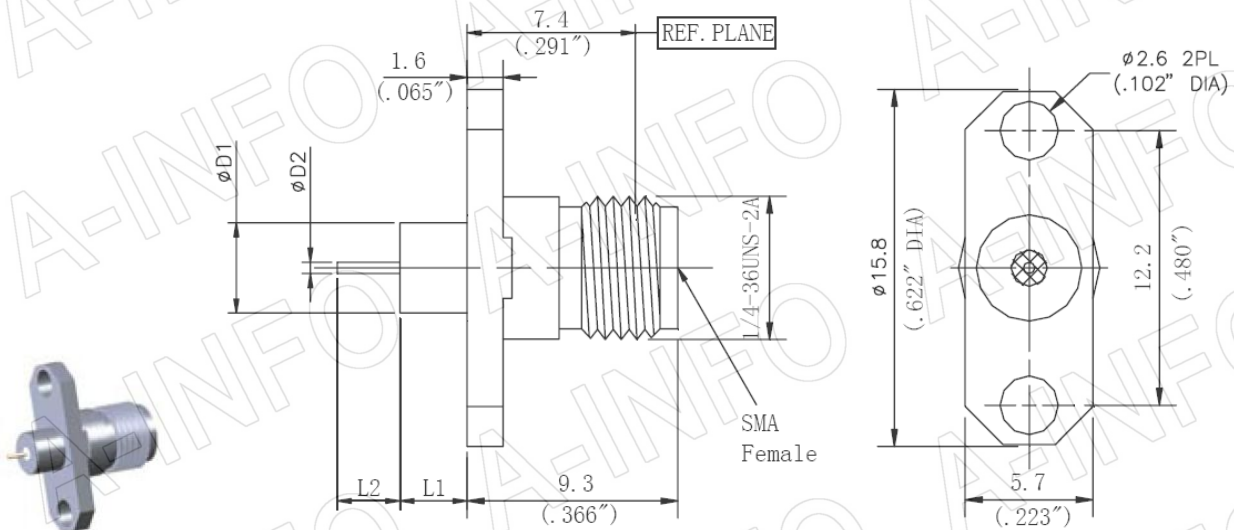
P/N	D1	D2	L1	L2
HPC1410-01	4mm/0.158inch	0.8mm/0.031inch	4mm/0.158inch	2mm/0.079inch
HPC1412-01	4mm/0.158inch	0.38mm/0.015inch	3mm/0.118inch	2mm/0.079inch



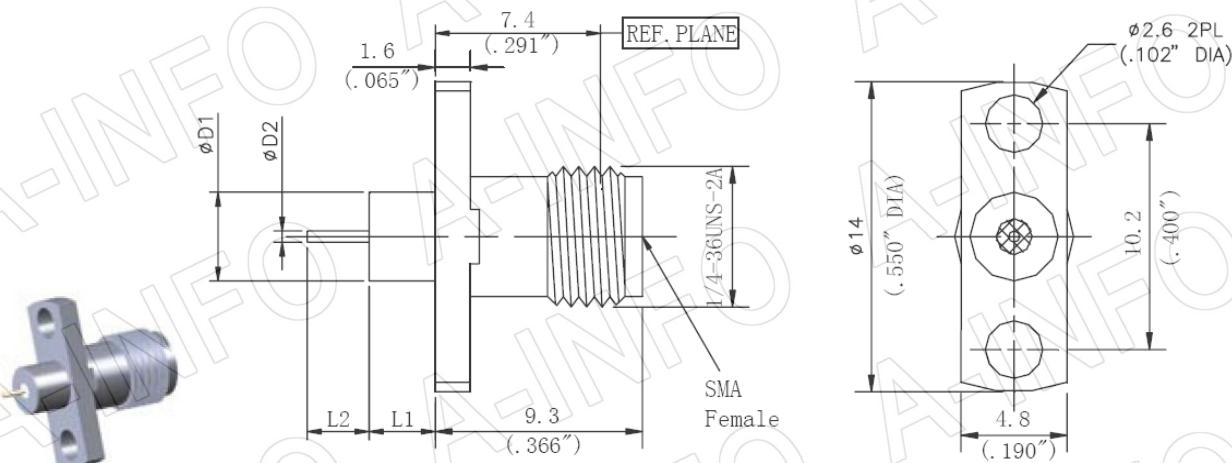
P/N	D1	D2	L1	L2
HPC1410-02	4mm/0.158inch	0.8mm/0.031inch	4mm/0.158inch	2mm/0.079inch
HPC1412-02	4mm/0.158inch	0.38mm/0.015inch	3mm/0.118inch	2mm/0.079inch



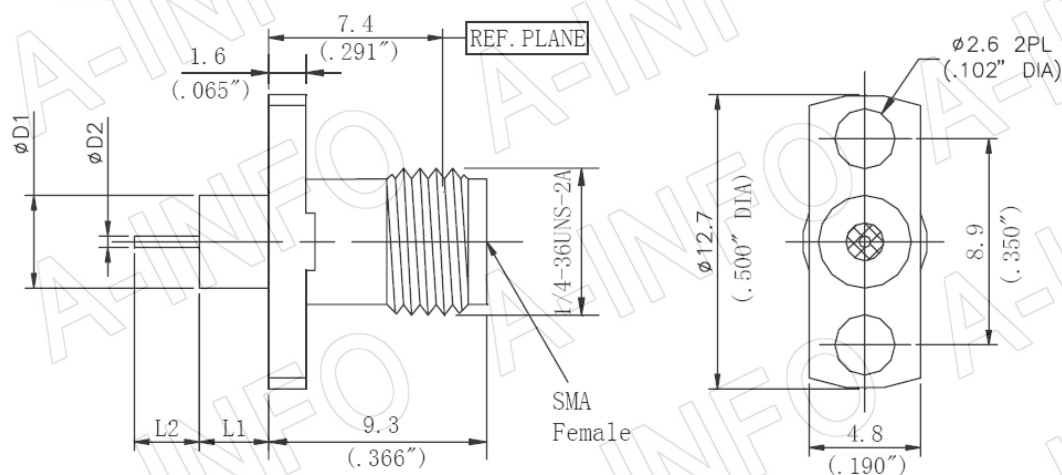
P/N	D1	D2	L1	L2
HPC1410-03	4mm/0.158inch	0.8mm/0.031inch	4mm/0.158inch	2mm/0.079inch
HPC1412-03	4mm/0.158inch	0.38mm/0.015inch	3mm/0.118inch	2mm/0.079inch



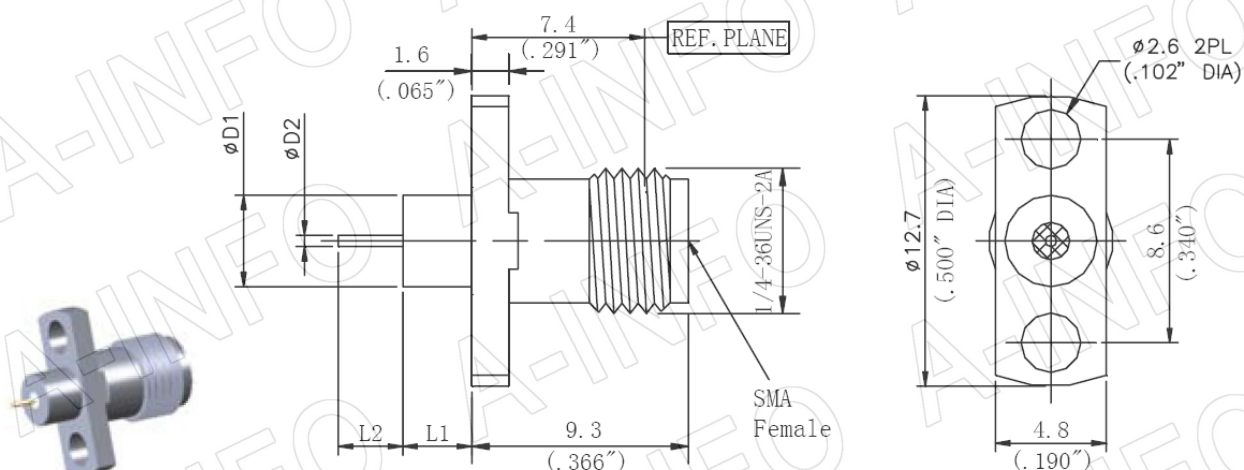
P/N	D1	D2	L1	L2
HPC1411-01	4mm/0.158inch	0.8mm/0.031inch	4mm/0.158inch	2mm/0.079inch
HPC1413-01	4mm/0.158inch	0.38mm/0.015inch	3mm/0.118inch	2mm/0.079inch



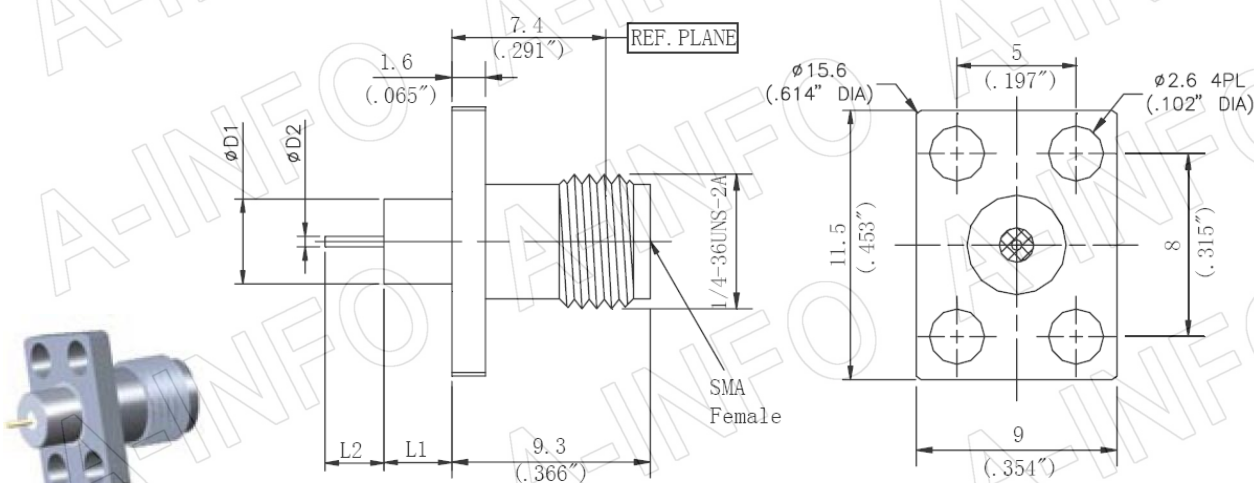
P/N	D1	D2	L1	L2
HPC1411-02	4mm/0.158inch	0.8mm/0.031inch	4mm/0.158inch	2mm/0.079inch
HPC1413-02	4mm/0.158inch	0.38mm/0.015inch	3mm/0.118inch	2mm/0.079inch



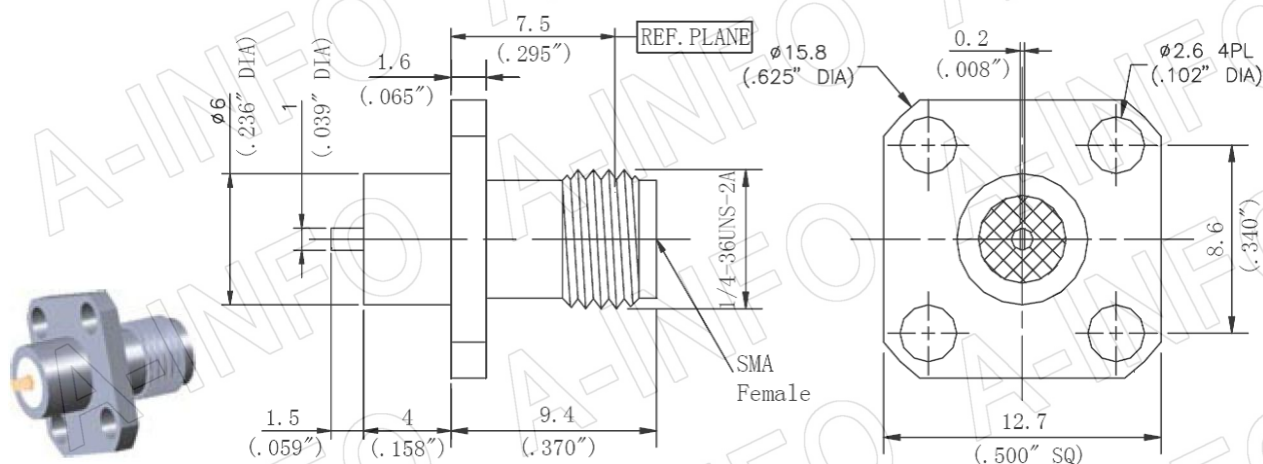
P/N	D1	D2	L1	L2
HPC1411-03	4mm/0.158inch	0.8mm/0.031inch	4mm/0.158inch	2mm/0.079inch
HPC1413-03	4mm/0.158inch	0.38mm/0.015inch	3mm/0.118inch	2mm/0.079inch



P/N	D1	D2	L1	L2
HPC1411-04	4mm/0.158inch	0.8mm/0.031inch	4mm/0.158inch	2mm/0.079inch
HPC1413-04	4mm/0.158inch	0.38mm/0.015inch	3mm/0.118inch	2mm/0.079inch

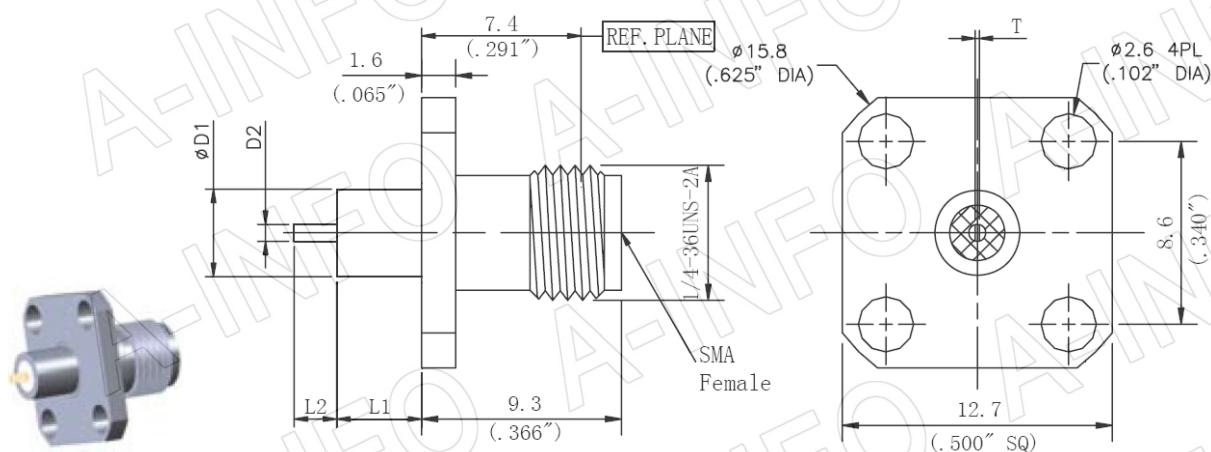


P/N	D1	D2	L1	L2
HPC1418-01	4mm/0.158inch	0.8mm/0.031inch	4mm/0.158inch	2mm/0.079inch
HPC1418-02	4mm/0.158inch	0.38mm/0.015inch	3mm/0.118inch	2mm/0.079inch

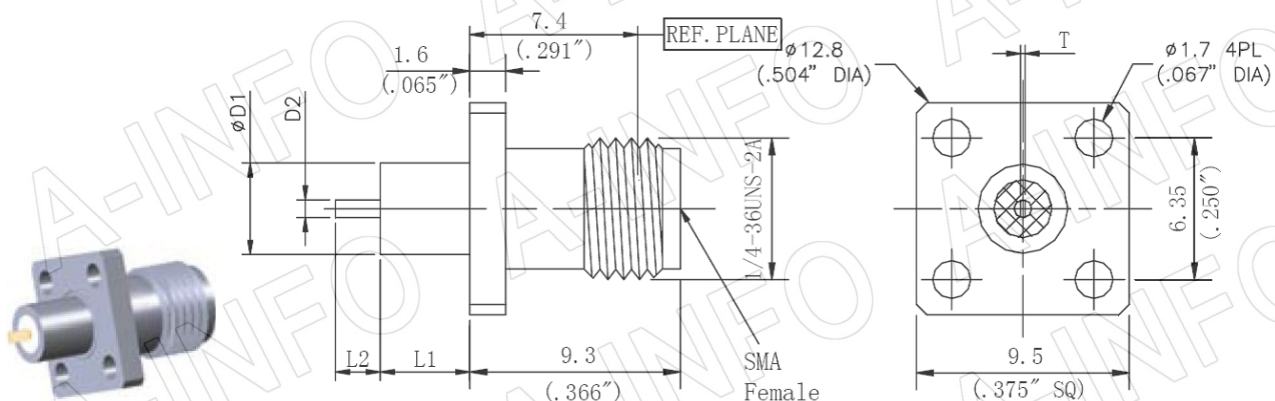


P/N

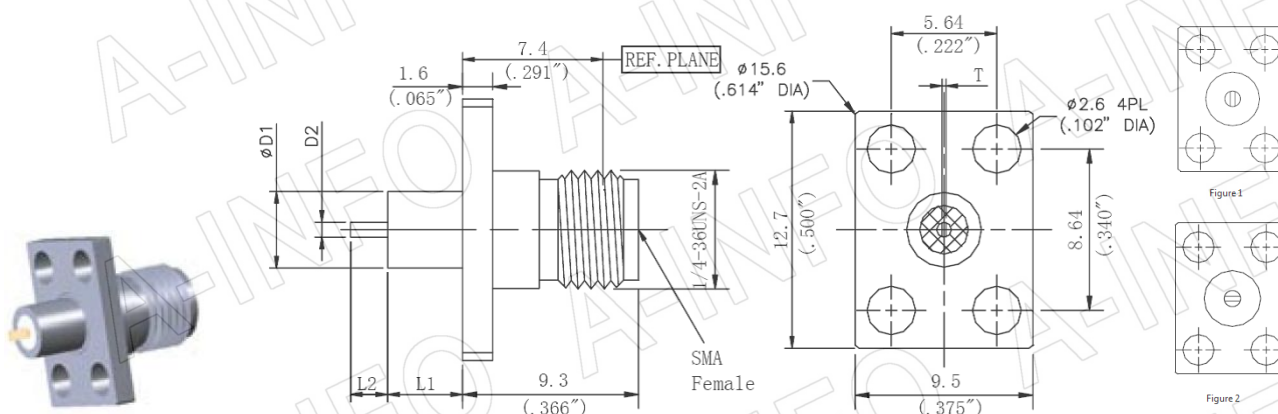
HPC1419-01



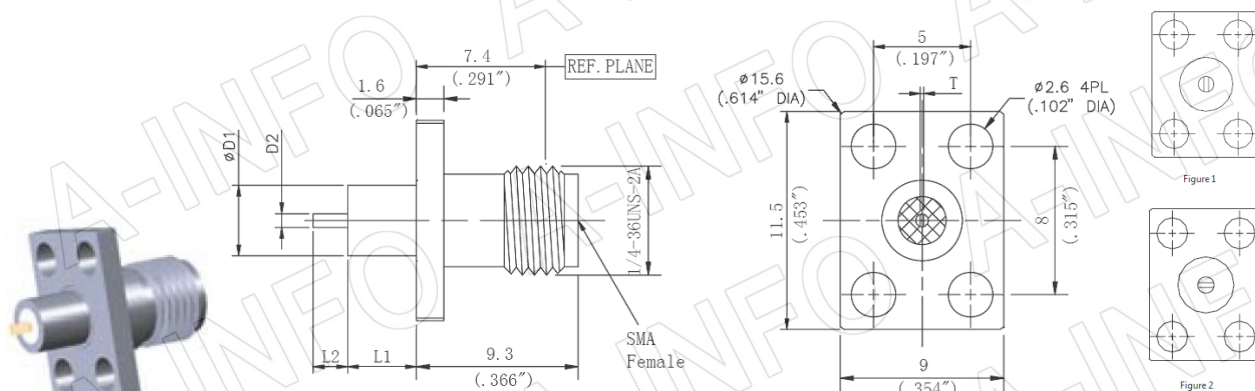
P/N	D1	D2	L1	L2	T
HPC1420-01	4mm/0.158inch	0.8mm/0.031inch	4mm/0.158inch	1.5mm/0.06inch	0.2mm/0.008inch



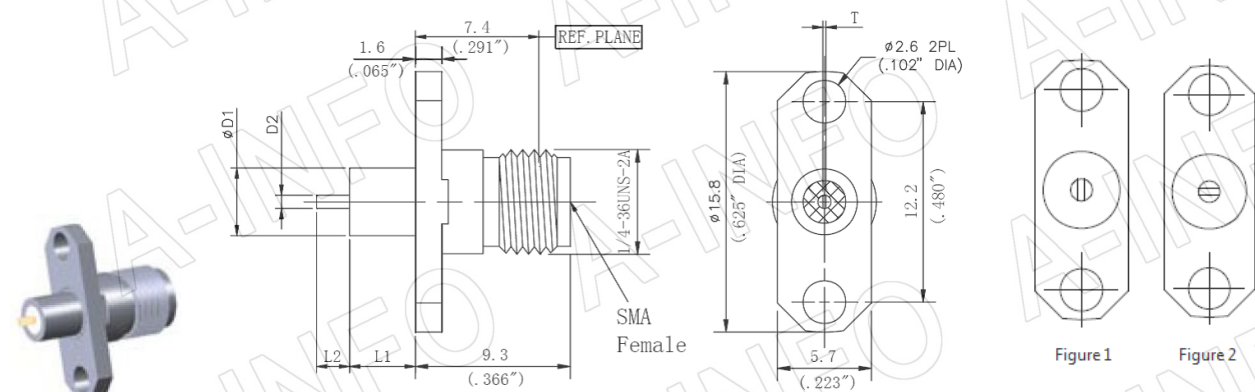
P/N	D1	D2	L1	L2	T
HPC1421-01	4mm/0.158inch	0.8mm/0.031inch	4mm/0.158inch	1.5mm/0.06inch	0.2mm/0.008inch



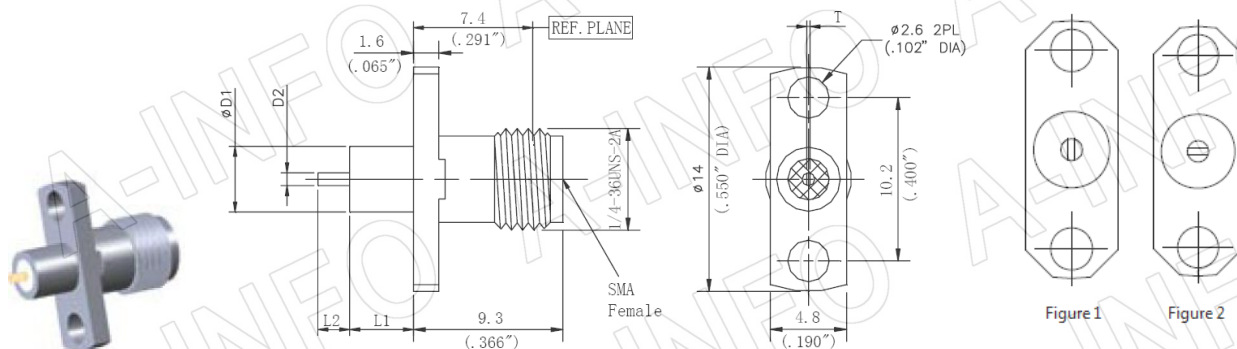
P/N	D1	D2	L1	L2	T	Fig
HPC1422-01	4mm/0.158inch	0.8mm/0.031inch	4mm/0.158inch	1.5mm/0.06inch	0.2mm/0.008inch	1
HPC1422-02	4mm/0.158inch	0.8mm/0.031inch	4mm/0.158inch	1.5mm/0.06inch	0.2mm/0.008inch	2



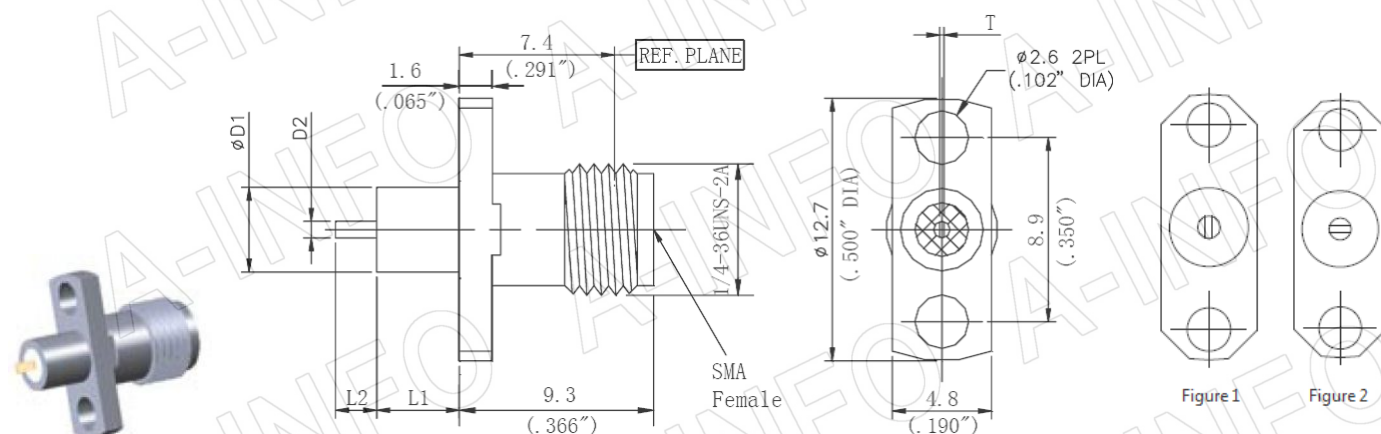
P/N	D1	D2	L1	L2	T	Fig
HPC1423-01	4mm/0.158inch	0.8mm/0.031inch	4mm/0.158inch	1.5mm/0.06inch	0.2mm/0.008inch	1
HPC1423-02	4mm/0.158inch	0.8mm/0.031inch	4mm/0.158inch	1.5mm/0.06inch	0.2mm/0.008inch	2



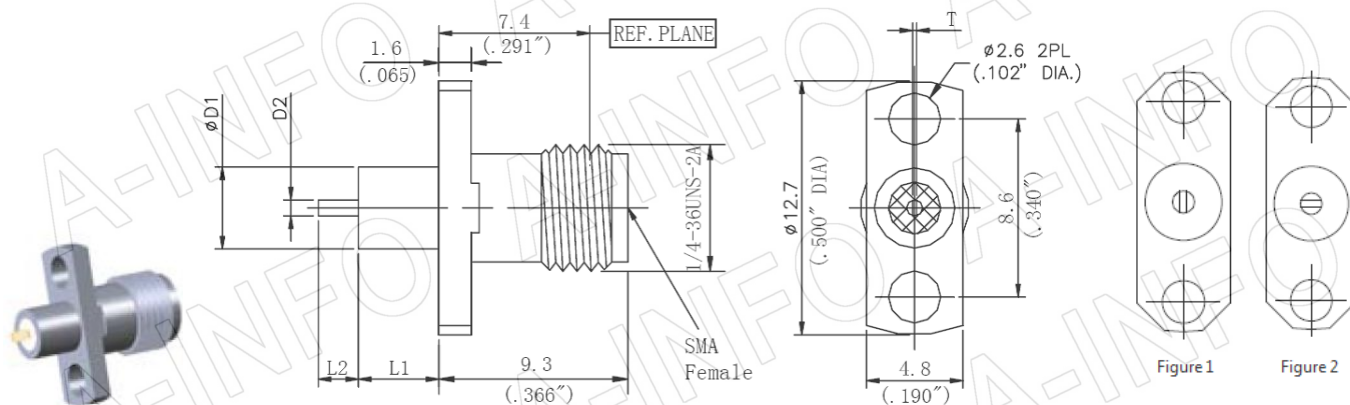
P/N	D1	D2	L1	L2	T	Fig
HPC1424-01	4mm/0.158inch	0.8mm/0.031inch	4mm/0.158inch	1.5mm/0.06inch	0.2mm/0.008inch	1
HPC1424-02	4mm/0.158inch	0.8mm/0.031inch	4mm/0.158inch	1.5mm/0.06inch	0.2mm/0.008inch	2



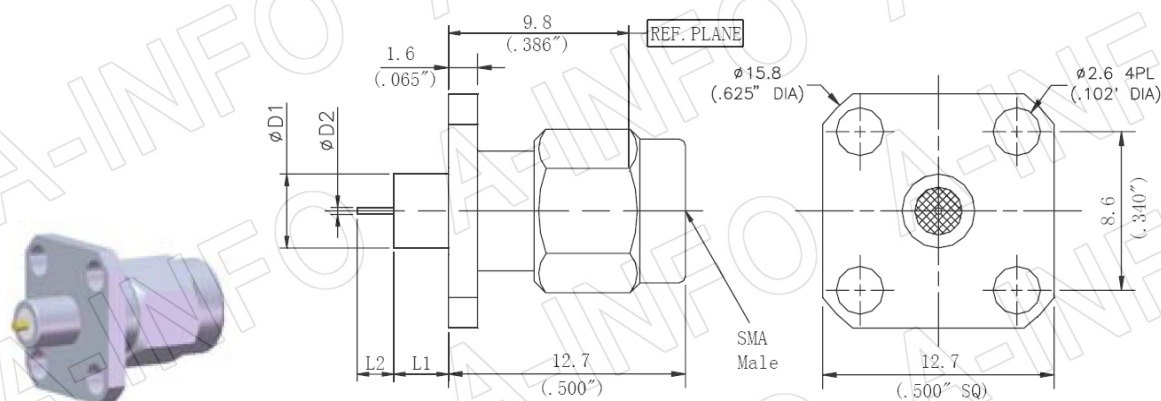
P/N	D1	D2	L1	L2	T	Fig
HPC1425-01	4mm/0.158inch	0.8mm/0.031inch	4mm/0.158inch	1.5mm/0.06inch	0.2mm/0.008inch	1
HPC1425-02	4mm/0.158inch	0.8mm/0.031inch	4mm/0.158inch	1.5mm/0.06inch	0.2mm/0.008inch	2



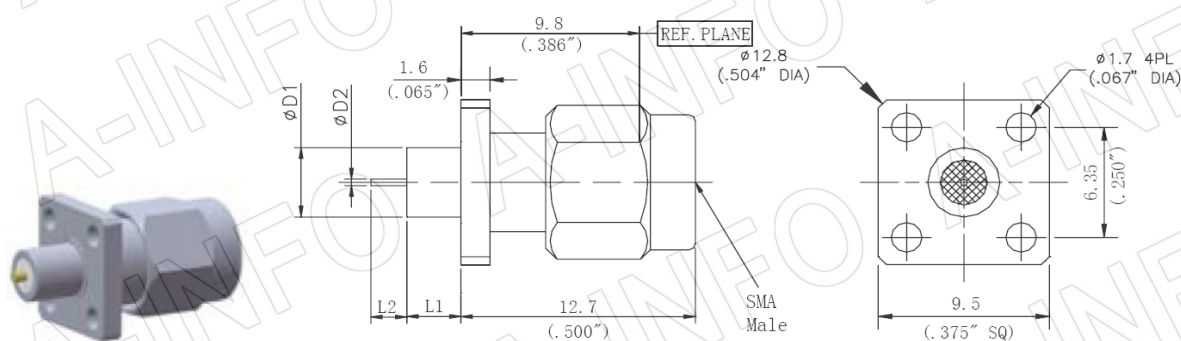
P/N	D1	D2	L1	L2	T	Fig
HPC1426-01	4mm/0.158inch	0.8mm/0.031inch	4mm/0.158inch	1.5mm/0.06inch	0.2mm/0.008inch	1
HPC1426-02	4mm/0.158inch	0.8mm/0.031inch	4mm/0.158inch	1.5mm/0.06inch	0.2mm/0.008inch	2



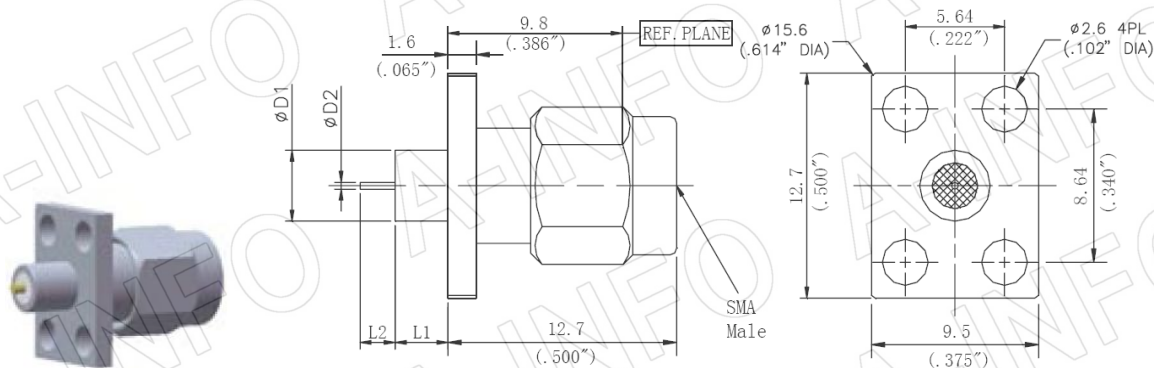
P/N	D1	D2	L1	L2	T	Fig
HPC1427-01	4mm/0.158inch	0.8mm/0.031inch	4mm/0.158inch	1.5mm/0.06inch	0.2mm/0.008inch	1
HPC1427-02	4mm/0.158inch	0.8mm/0.031inch	4mm/0.158inch	1.5mm/0.06inch	0.2mm/0.008inch	2



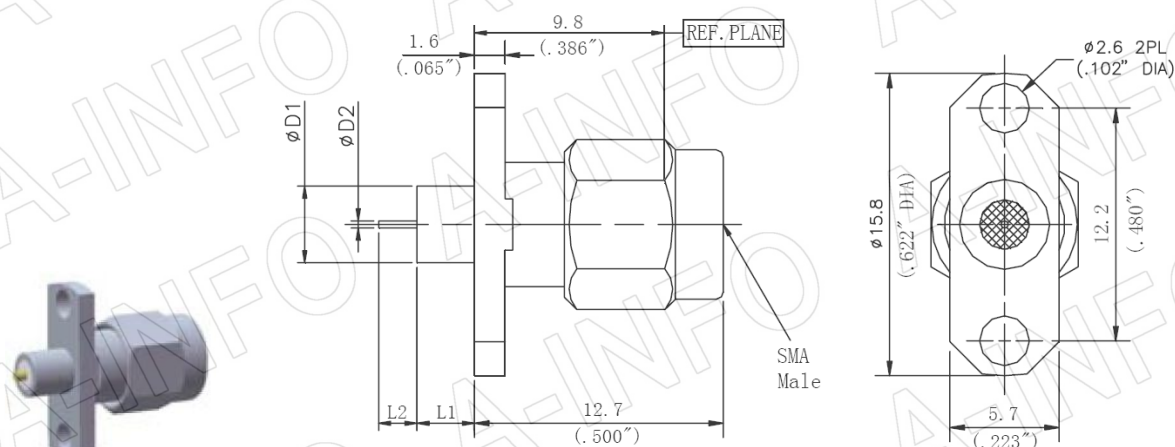
P/N	D1	D2	L1	L2
HPC1428-01	4mm/0.158inch	0.38mm/0.015inch	3mm/0.118inch	2mm/0.079inch



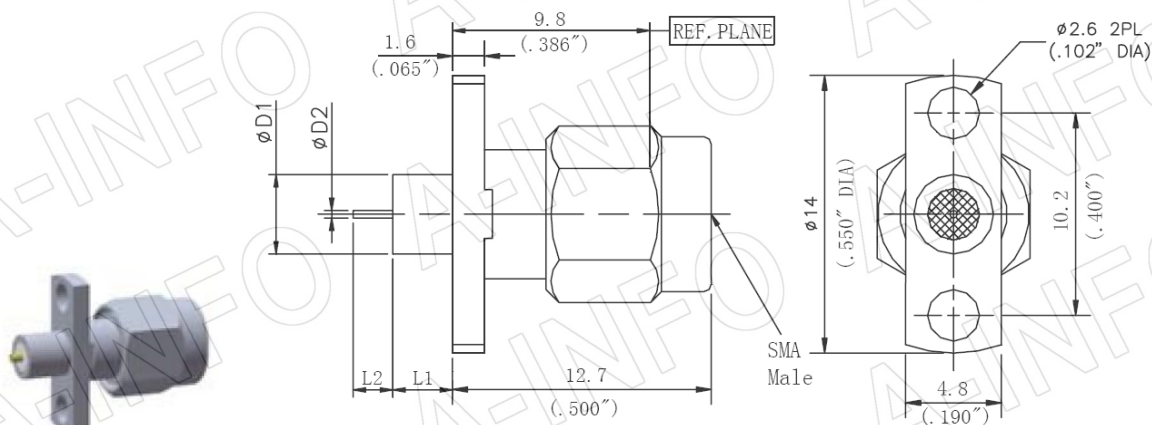
P/N	D1	D2	L1	L2
HPC1429-01	4mm/0.158inch	0.38mm/0.015inch	3mm/0.118inch	2mm/0.079inch



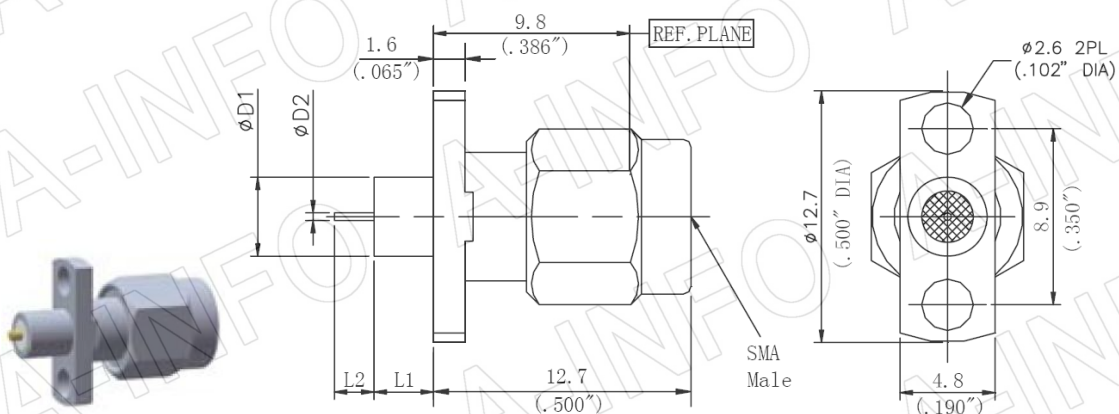
P/N	D1	D2	L1	L2
HPC1430-01	4mm/0.158inch	0.38mm/0.015inch	3mm/0.118inch	2mm/0.079inch



P/N	D1	D2	L1	L2
HPC1431-01	4mm/0.158inch	0.38mm/0.015inch	3mm/0.118inch	2mm/0.079inch

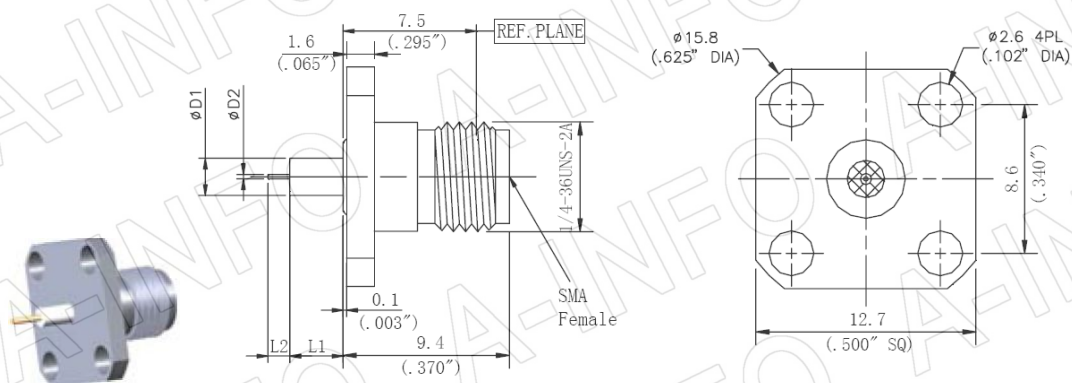


P/N	D1	D2	L1	L2
HPC1432-01	4mm/0.158inch	0.38mm/0.015inch	3mm/0.118inch	2mm/0.079inch

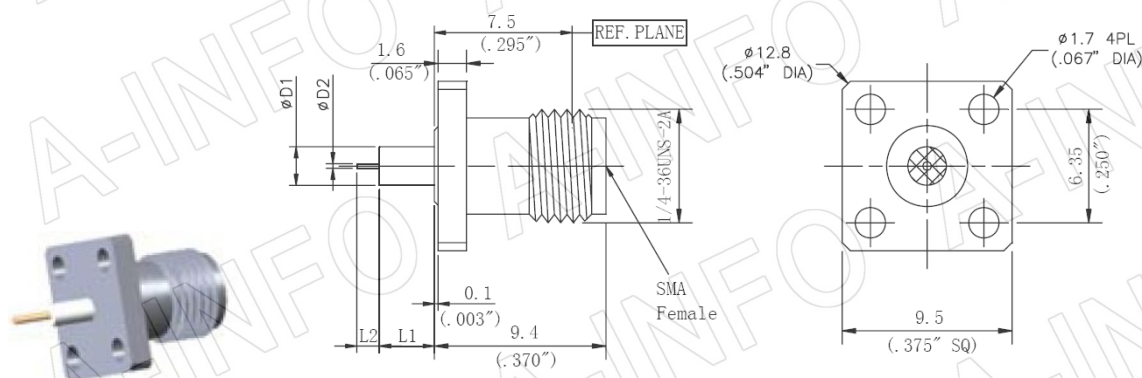


P/N	D1	D2	L1	L2
HPC1433-01	4mm/0.158inch	0.38mm/0.015inch	3mm/0.118inch	2mm/0.079inch

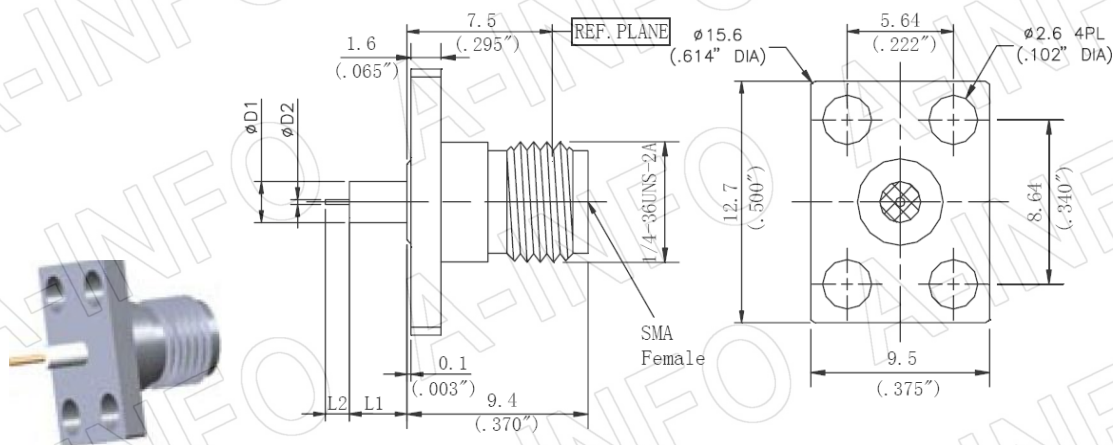
SMA Series Exposed Teflon Connectors



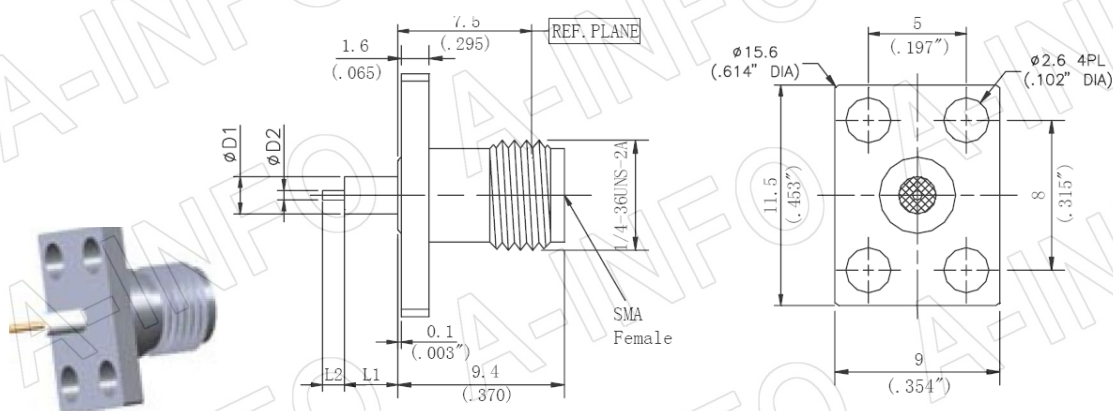
P/N	D1	D2	L1	L2
HPC1434-01	2.2mm/0.087inch	0.3mm/0.012inch	3.2mm/0.126inch	1.27mm/0.05inch
HPC1434-02	3.9mm/0.154inch	0.64mm/0.025inch	15mm/0.59inch	3mm/0.118inch
HPC1434-03	2.1mm/0.083inch	0.64mm/0.025inch	15mm/0.59inch	3mm/0.118inch



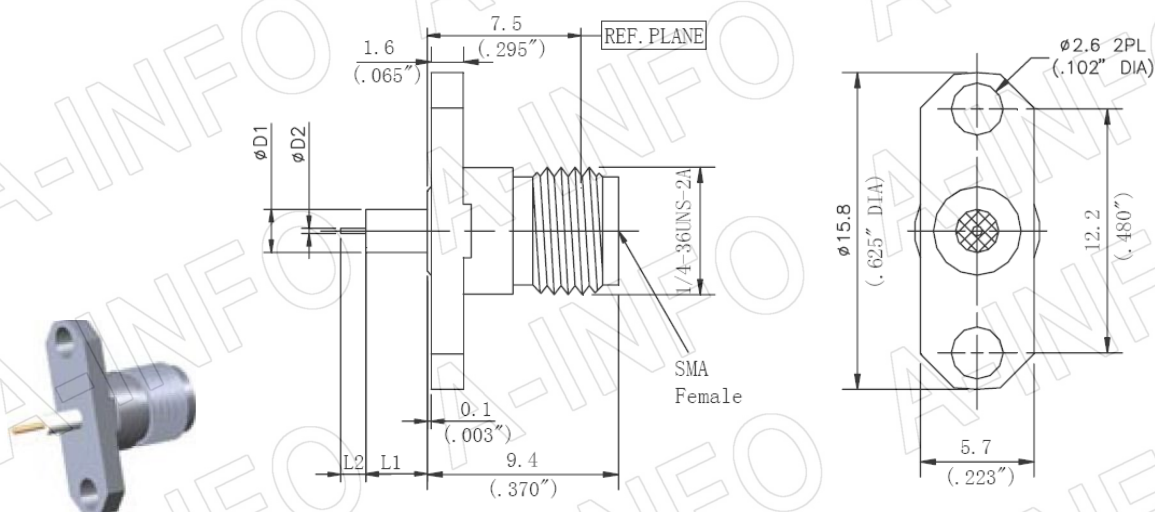
P/N	D1	D2	L1	L2
HPC1435-01	2.2mm/0.087inch	0.3mm/0.012inch	3.2mm/0.126inch	1.27mm/0.05inch
HPC1435-02	2.1mm/0.083inch	0.64mm/0.025inch	15mm/0.59inch	3mm/0.118inch



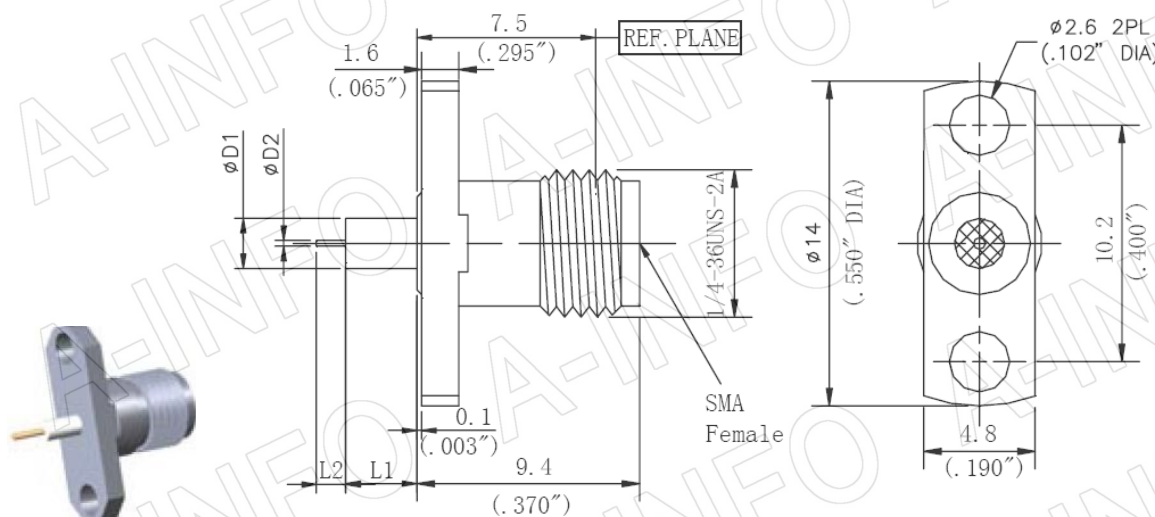
/N	D1	D2	L1	L2
HPC1436-01	2.2mm/0.087inch	0.3mm/0.012inch	3.2mm/0.126inch	1.27mm/0.05inch
HPC1436-02	2.1mm/0.083inch	0.64mm/0.025inch	15mm/0.59inch	3mm/0.118inch



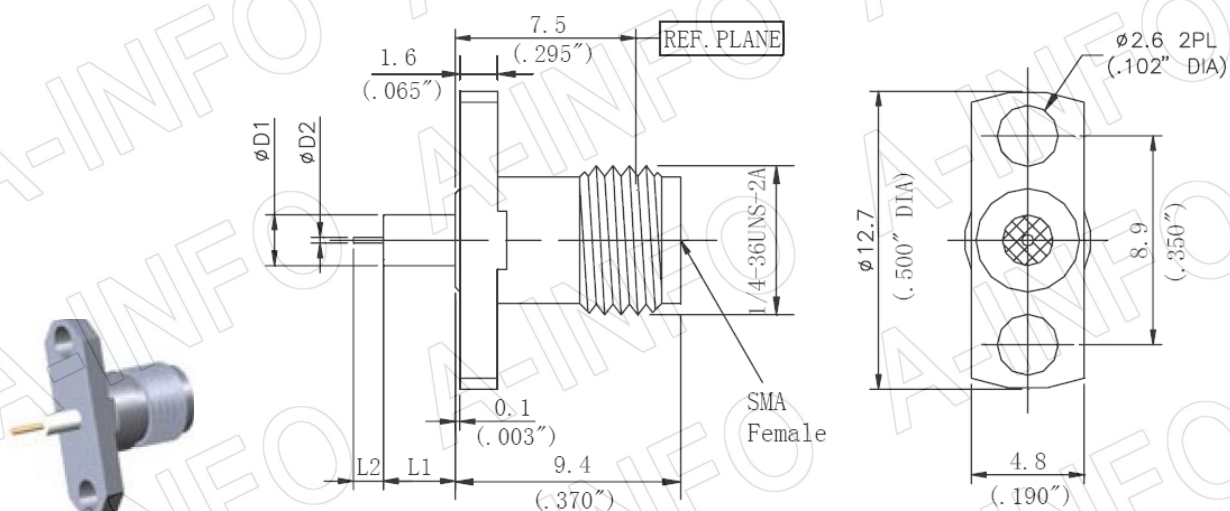
P/N	D1	D2	L1	L2
HPC1437-01	2.2mm/0.087inch	0.3mm/0.012inch	3.2mm/0.126inch	1.27mm/0.05inch
HPC1437-02	2.1mm/0.083inch	0.64mm/0.025inch	15mm/0.59inch	3mm/0.118inch



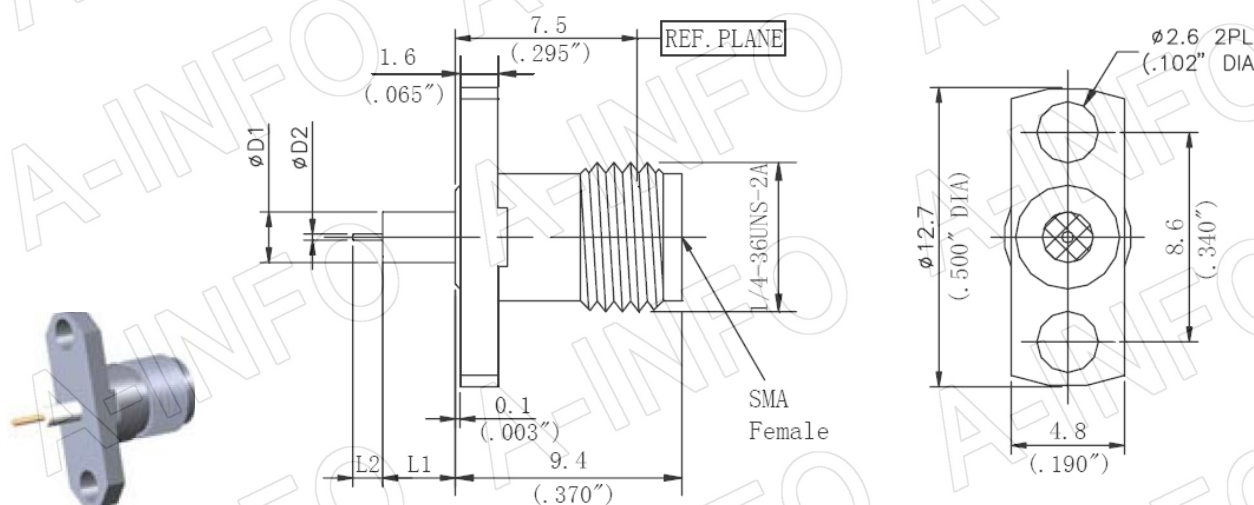
P/N	D1	D2	L1	L2
HPC1438-01	2.2mm/0.087inch	0.3mm/0.012inch	3.2mm/0.126inch	1.27mm/0.05inch
HPC1438-02	3.9mm/0.154inch	0.64mm/0.025inch	15mm/0.59inch	3mm/0.118inch
HPC1438-03	2.1mm/0.083inch	0.64mm/0.025inch	15mm/0.59inch	3mm/0.118inch



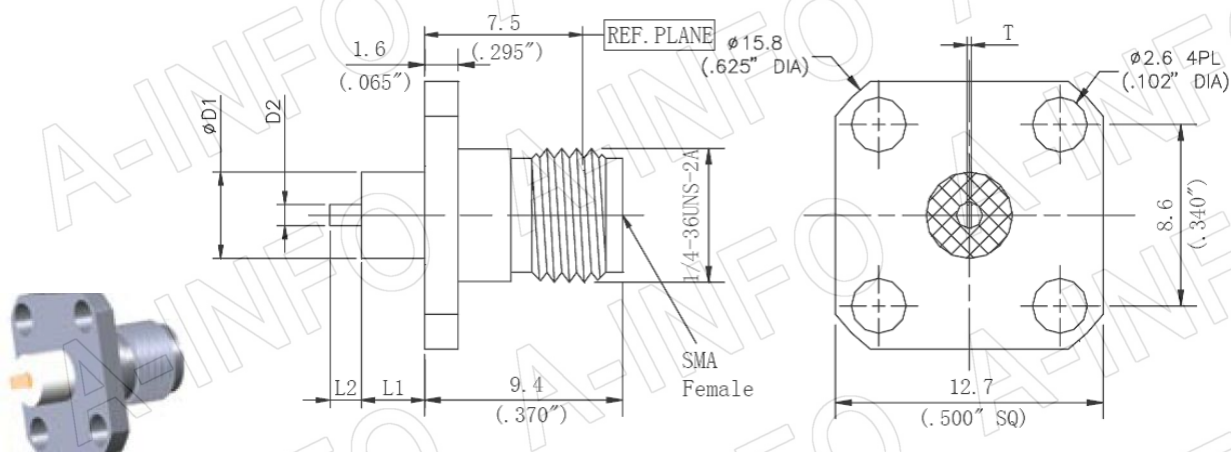
P/N	D1	D2	L1	L2
HPC1439-01	2.2mm/0.087inch	0.3mm/0.012inch	3.2mm/0.126inch	1.27mm/0.05inch
HPC1439-02	2.1mm/0.083inch	0.64mm/0.025inch	15mm/0.59inch	3mm/0.118inch



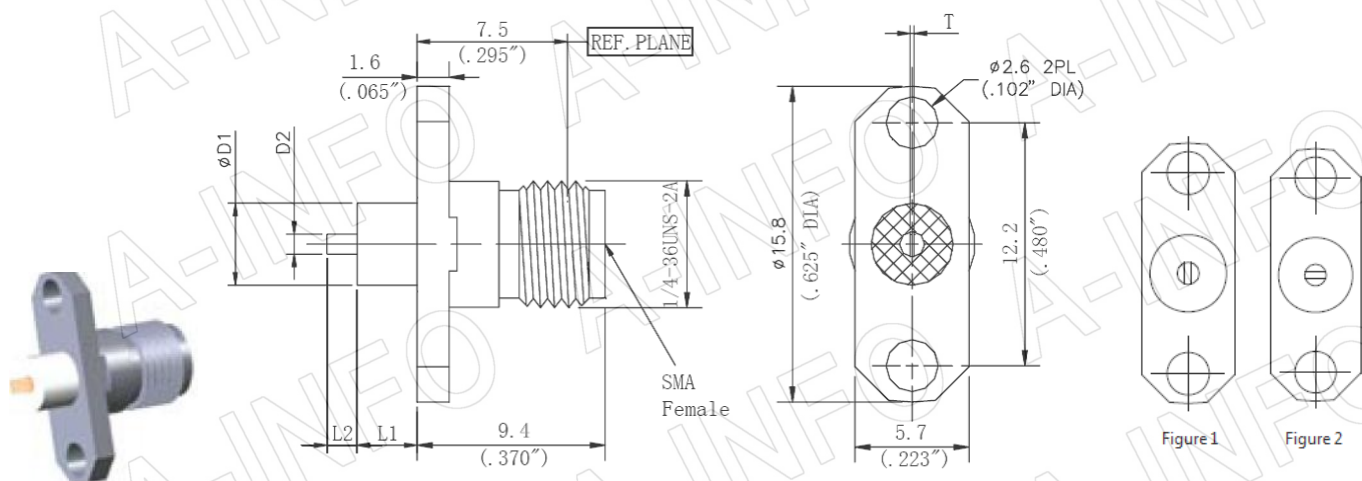
P/N	D1	D2	L1	L2
HPC1440-01	2.2mm/0.087inch	0.3mm/0.012inch	3.2mm/0.126inch	1.27mm/0.05inch
HPC1440-02	2.1mm/0.083inch	0.64mm/0.025inch	15mm/0.59inch	3mm/0.118inch



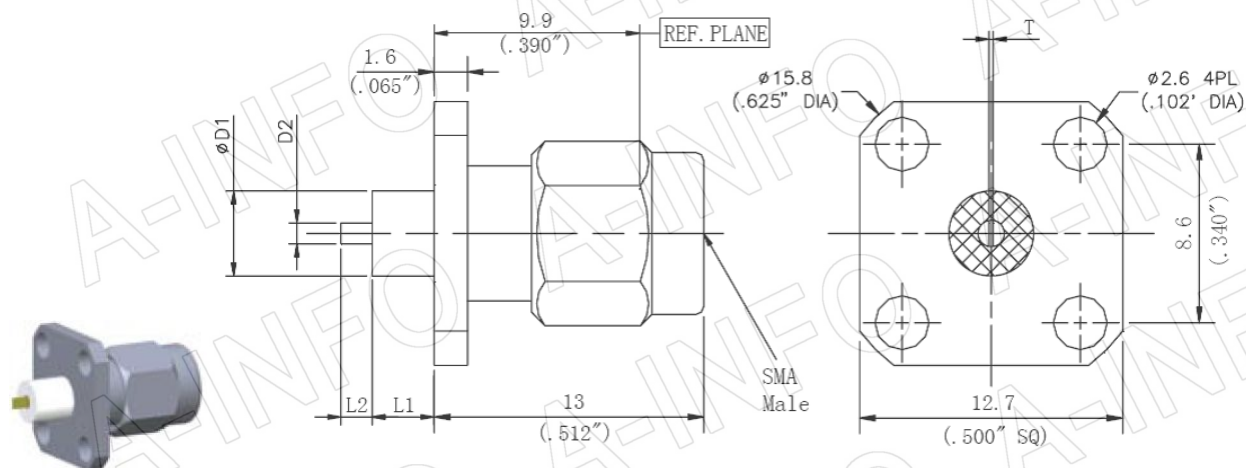
P/N	D1	D2	L1	L2
HPC1441-01	2.2mm/0.087inch	0.3mm/0.012inch	3.2mm/0.126inch	1.27mm/0.05inch
HPC1441-02	2.1mm/0.083inch	0.64mm/0.025inch	15mm/0.59inch	3mm/0.118inch



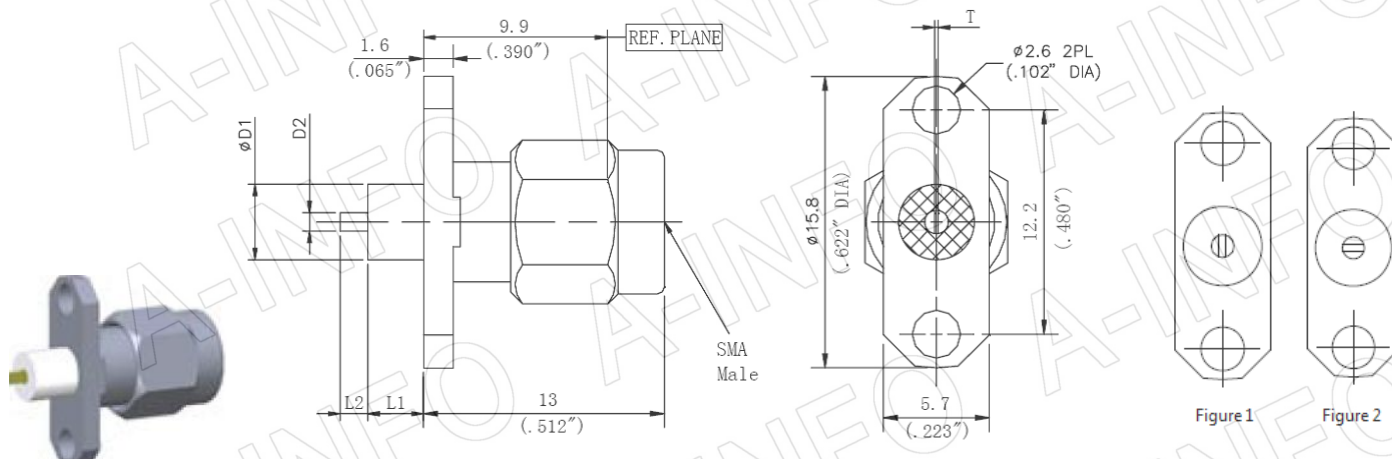
P/N	D1	D2	L1	L2	T
HPC1414-01	4.1mm/0.162inch	1mm/0.04inch	4mm/0.158inch	1.5mm/0.06inch	0.2mm/0.008inch
HPC1416-01	4.1mm/0.162inch	1mm/0.04inch	3mm/0.118inch	1.5mm/0.06inch	0.2mm/0.008inch



P/N	D1	D2	L1	L2	T	Fig
HPC1415-01	4.1mm/0.162inch	1mm/0.04inch	4mm/0.158inch	1.5mm/0.06inch	0.2mm/0.008inch	1
HPC1442-01	4.1mm/0.162inch	1mm/0.04inch	4mm/0.158inch	1.5mm/0.06inch	0.2mm/0.008inch	2
HPC1417-01	4.1mm/0.162inch	1mm/0.04inch	3mm/0.118inch	1.5mm/0.06inch	0.2mm/0.008inch	1
HPC1442-02	4.1mm/0.162inch	1mm/0.04inch	3mm/0.118inch	1.5mm/0.06inch	0.2mm/0.008inch	2

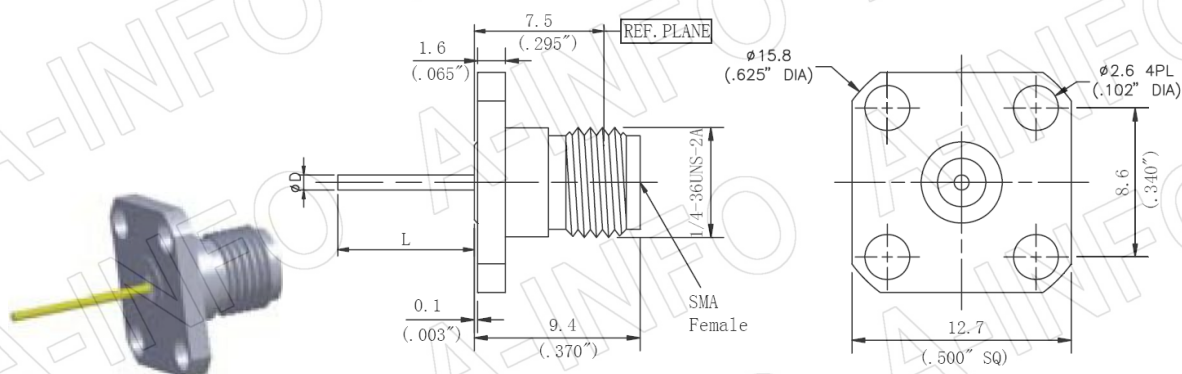


P/N	D1	D2	L1	L2	T
HPC1443-01	4.1mm/0.162inch	1mm/0.04inch	4mm/0.158inch	1.5mm/0.06inch	0.2mm/0.008inch

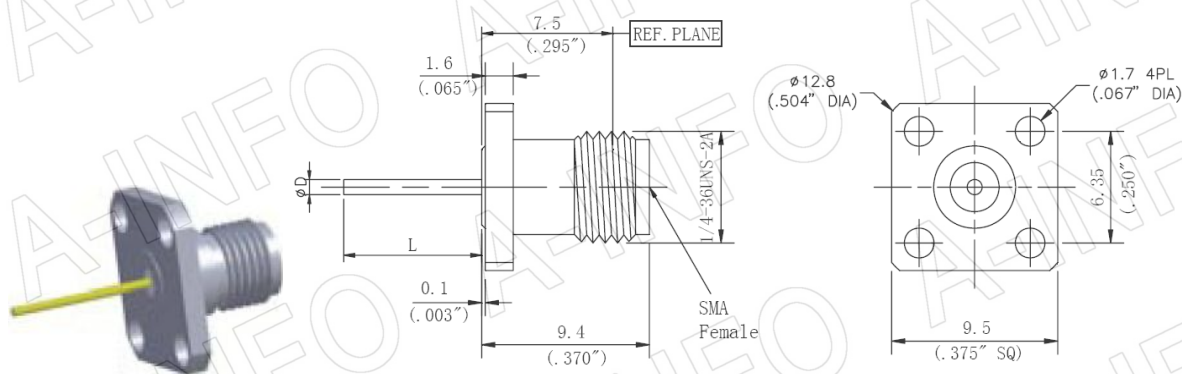


P/N	D1	D2	L1	L2	T	Fig
HPC1444-01	4.1mm/0.162inch	1mm/0.04inch	4mm/0.158inch	1.5mm/0.06inch	0.2mm/0.008inch	1
HPC1444-02	4.1mm/0.162inch	1mm/0.04inch	4mm/0.158inch	1.5mm/0.06inch	0.2mm/0.008inch	2

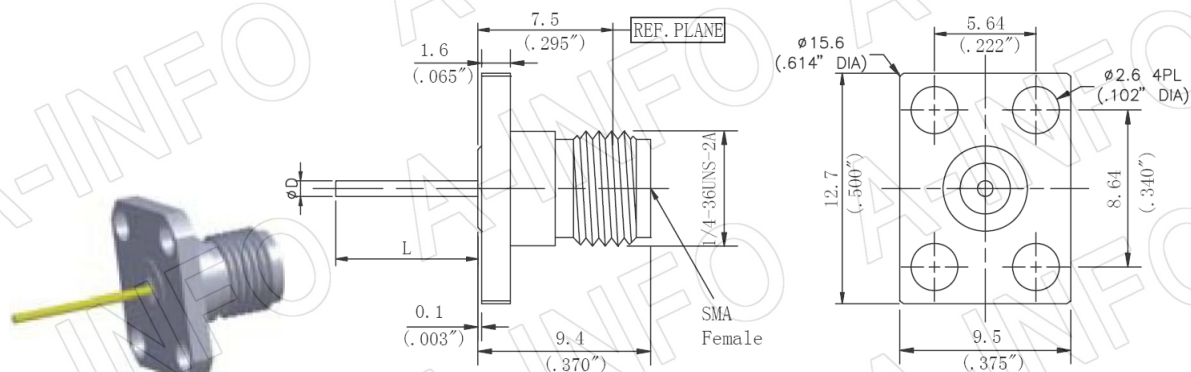
SMA Series Blunt Post Contact Connectors



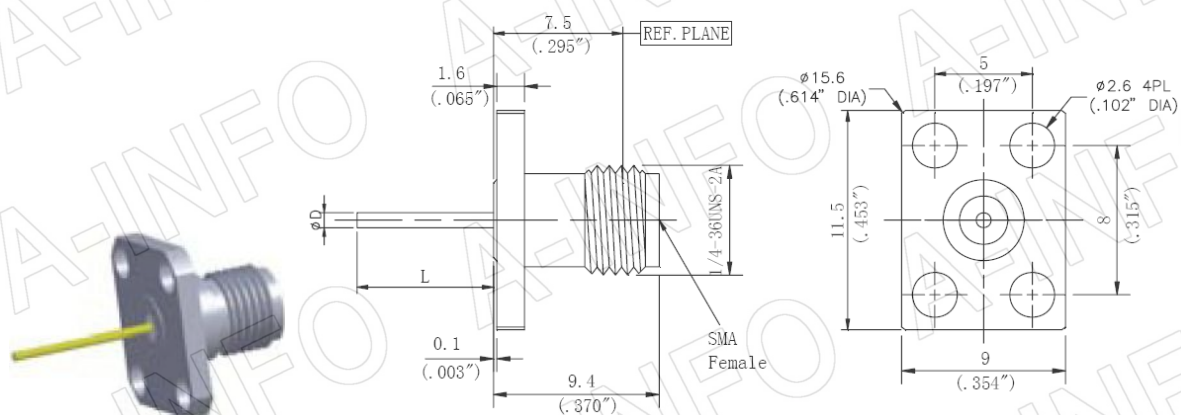
P/N	D	L
HPC1445-01	0.64mm/0.025inch	18mm/0.71inch
HPC1445-02	0.87mm/0.034inch	26mm/1.024inch
HPC1445-03	0.87mm/0.034inch	10.92mm/0.43inch



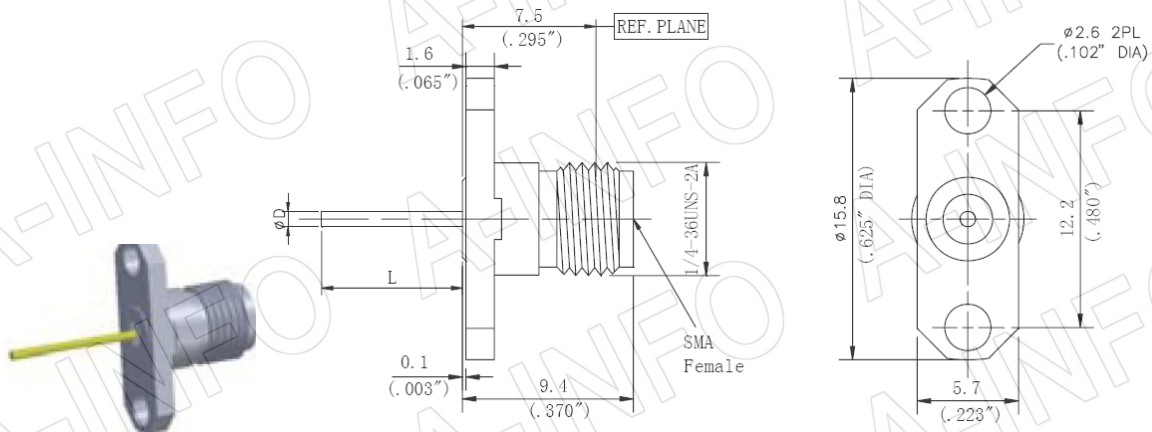
P/N	D	L
HPC1446-01	0.64mm/0.025inch	18mm/0.709inch
HPC1446-02	0.87mm/0.034inch	26mm/1.024inch
HPC1446-03	0.87mm/0.034inch	10.92mm/0.43inch



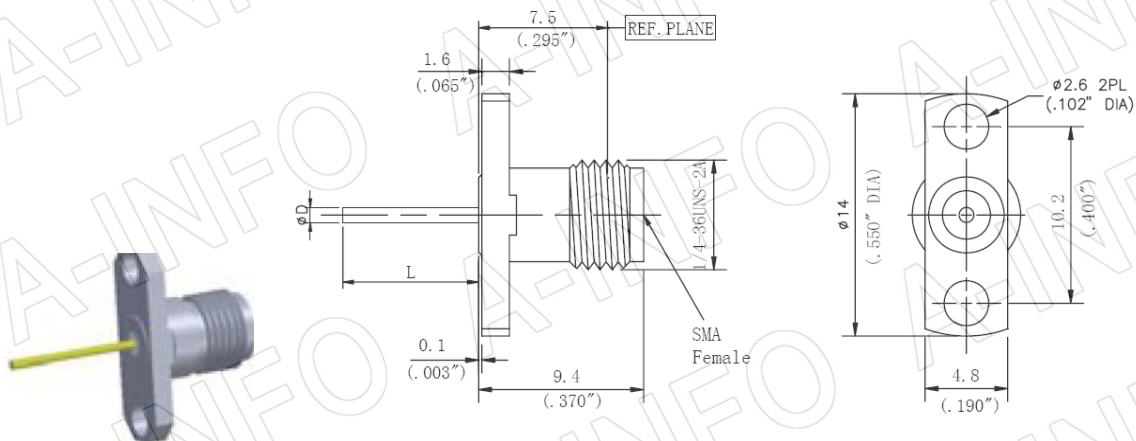
P/N	D	L
HPC1447-01	0.64mm/0.025inch	18mm/0.709inch
HPC1447-02	0.87mm/0.034inch	26mm/1.024inch
HPC1447-03	0.87mm/0.034inch	10.92mm/0.43inch



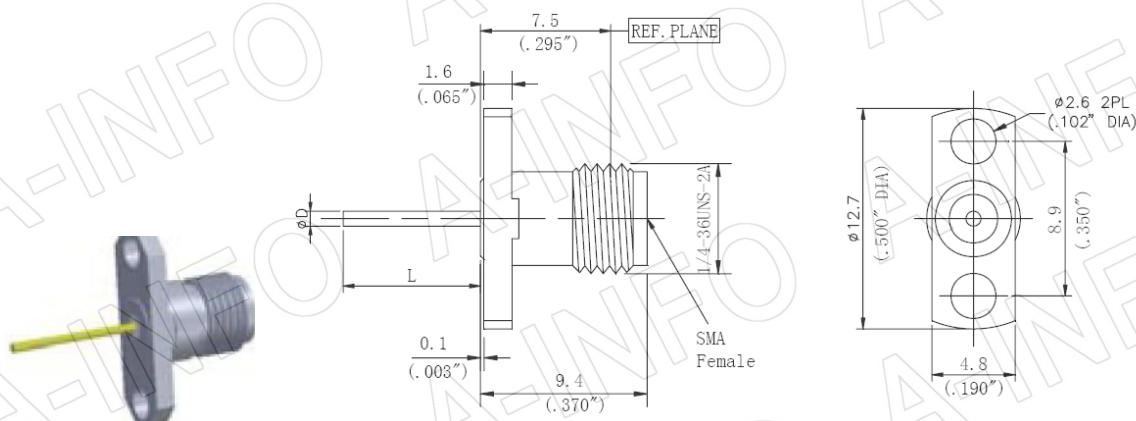
P/N	D	L
HPC1448-01	0.64mm/0.025inch	18mm/0.709inch
HPC1448-02	0.87mm/0.034inch	26mm/1.024inch
HPC1448-03	0.87mm/0.034inch	10.92mm/0.43inch



P/N	D	L
HPC1449-01	0.64mm/0.025inch	18mm/0.709inch
HPC1449-02	0.87mm/0.034inch	26mm/1.024inch
HPC1449-03	0.87mm/0.034inch	10.92mm/0.43inch

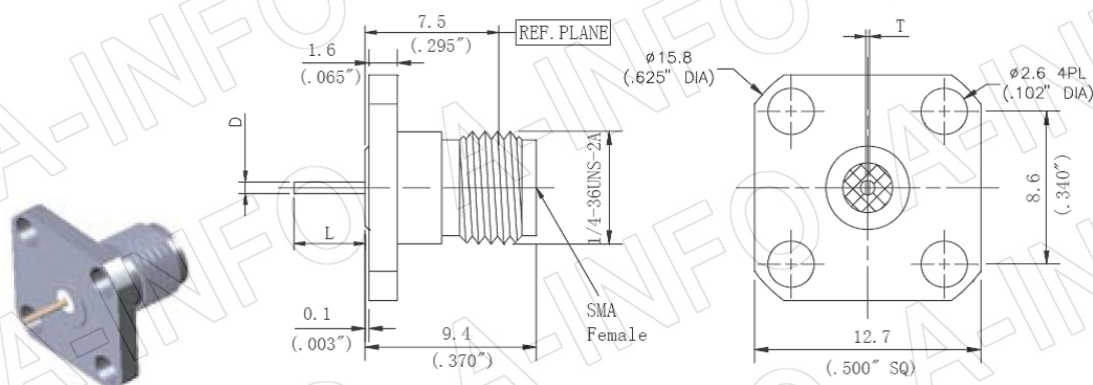


P/N	D	L
HPC1450-01	0.64mm/0.025inch	18mm/0.709inch
HPC1450-02	0.87mm/0.034inch	26mm/1.024inch
HPC1450-03	0.87mm/0.034inch	10.92mm/0.43inch

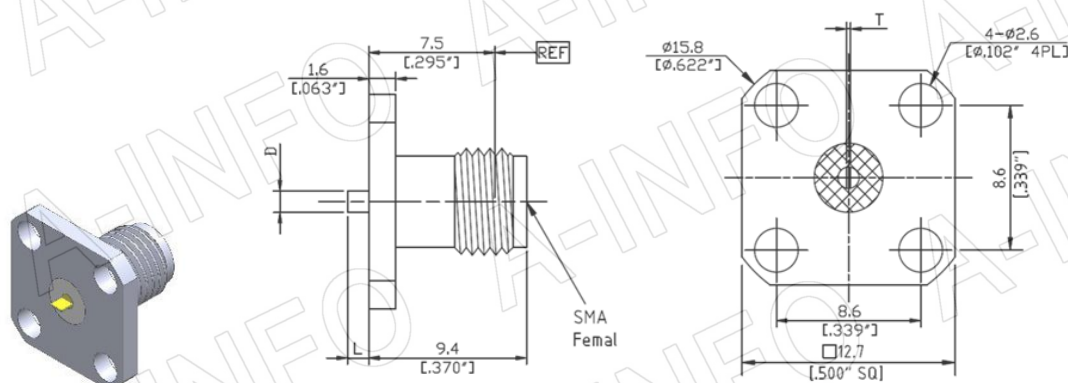


P/N	D	L
HPC1451-01	0.64mm/0.025inch	18mm/0.709inch
HPC1451-02	0.87mm/0.034inch	26mm/1.024inch
HPC1451-03	0.87mm/0.034inch	10.92mm/0.43inch

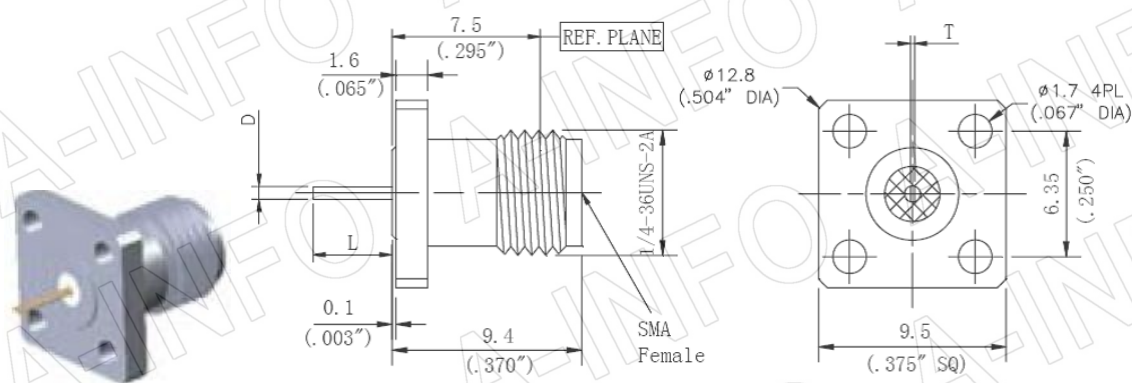
SMA Series Tab Contact Connectors



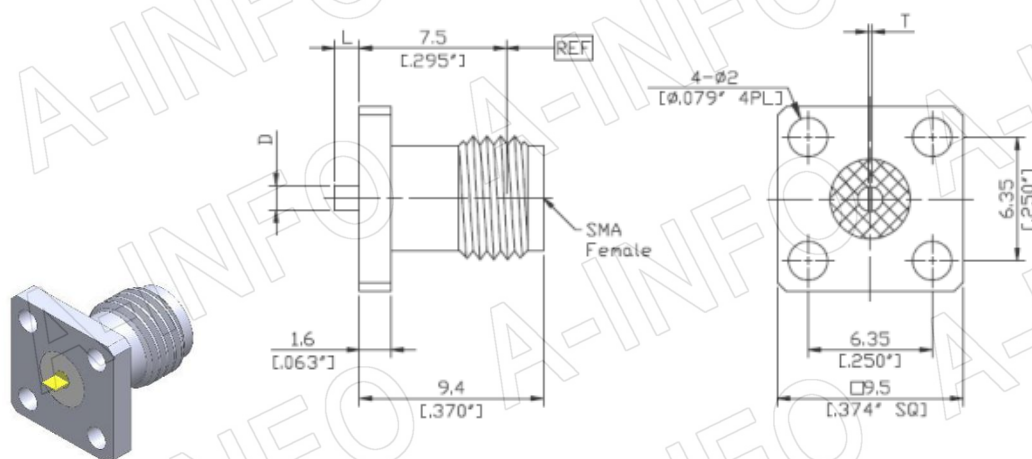
P/N	D	L	T
HPC1710-01	0.65mm/0.026inch	4mm/0.158inch	0.2mm/0.008inch



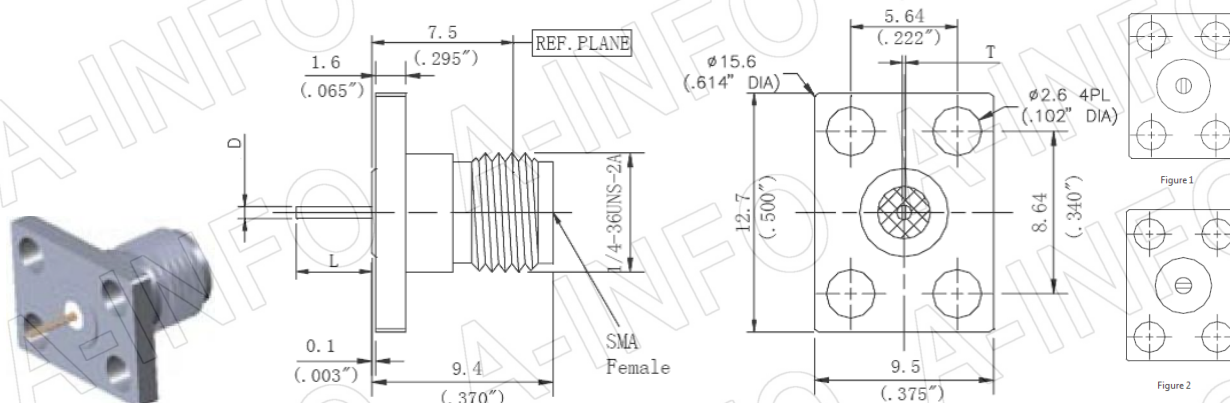
P/N	D	L	T
HPC1710-02	1.27mm/0.05inch	1.27mm/0.05inch	0.15mm/0.006inch



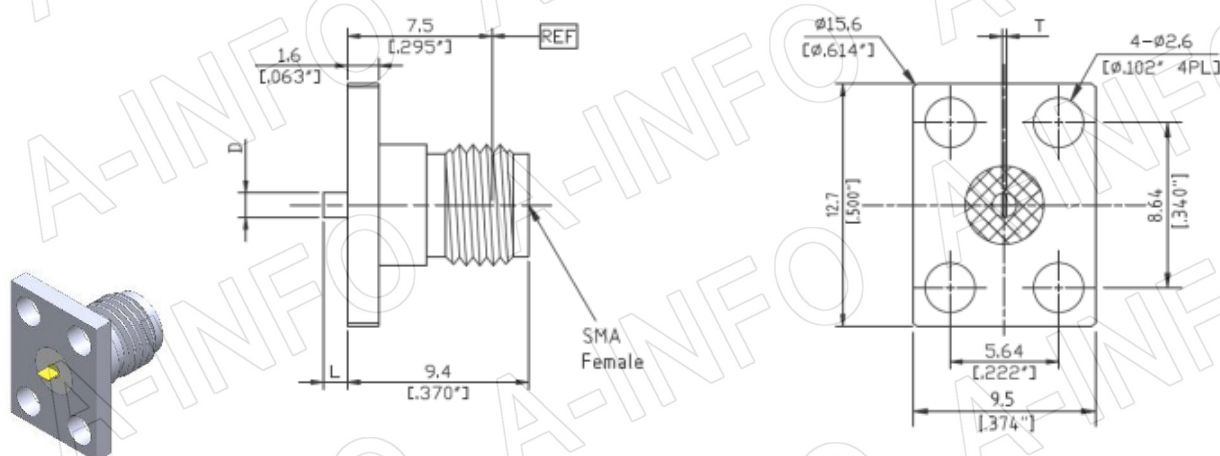
P/N	D	L	T
HPC1711-01	0.65mm/0.026inch	4mm/0.158inch	0.2mm/0.008inch



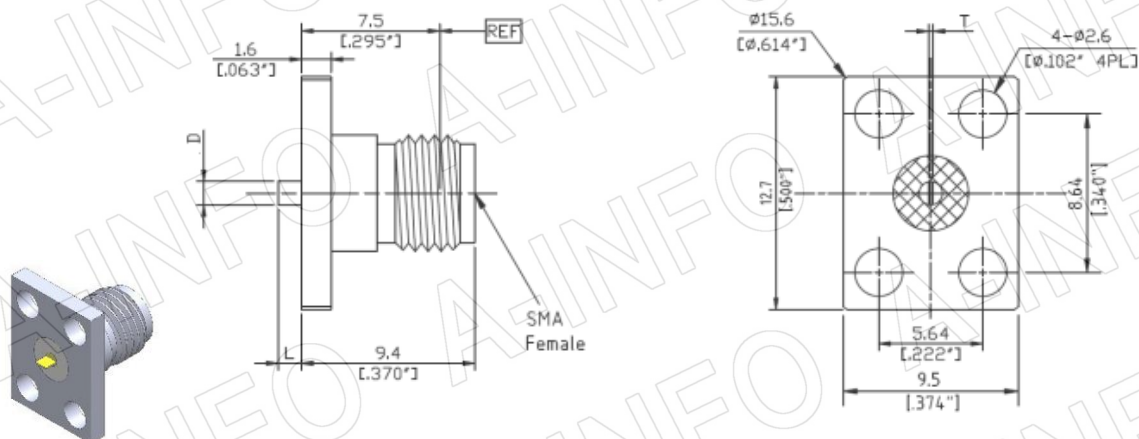
P/N	D	L	T
HPC1711-02	1.27mm/0.05inch	1.27mm/0.05inch	0.15mm/0.006inch



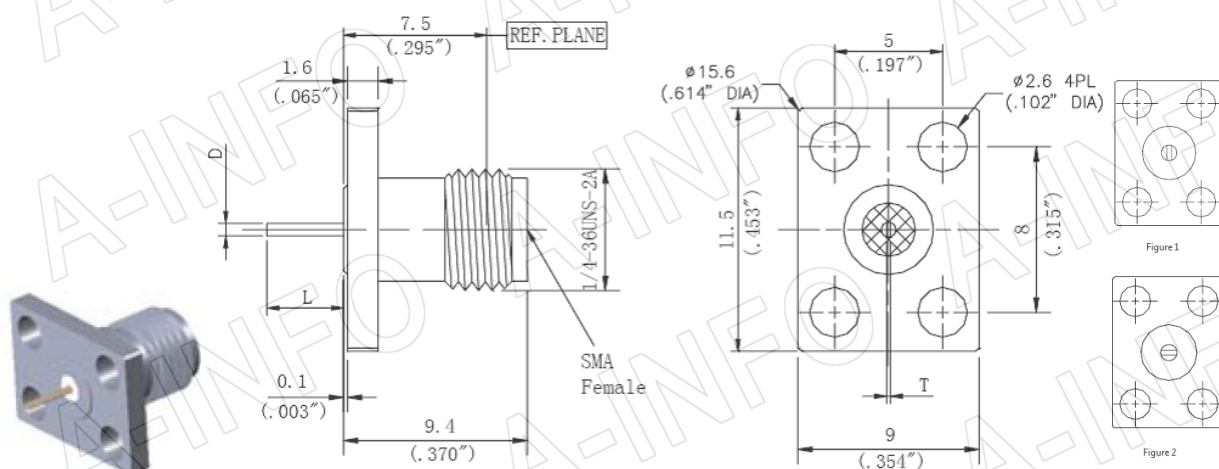
P/N	D	L	T	Figure
HPC1712-01	0.65mm/0.026inch	4mm/0.158inch	0.2mm/0.008inch	1
HPC1712-02	0.65mm/0.026inch	4mm/0.158inch	0.2mm/0.008inch	2



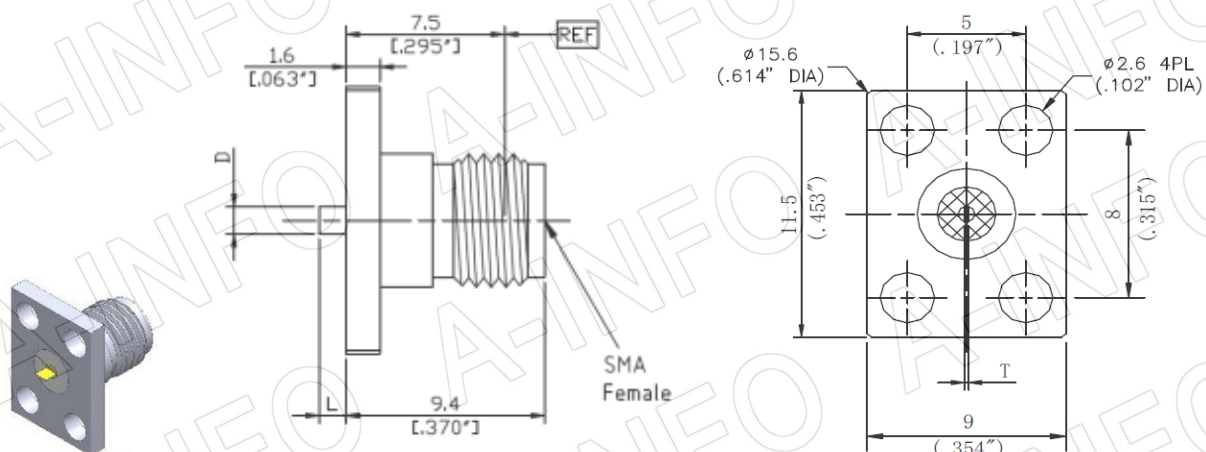
P/N	D	L	T	Figure
HPC1712-03	1.27mm/0.05inch	1.27mm/0.05inch	0.15mm/0.006inch	1



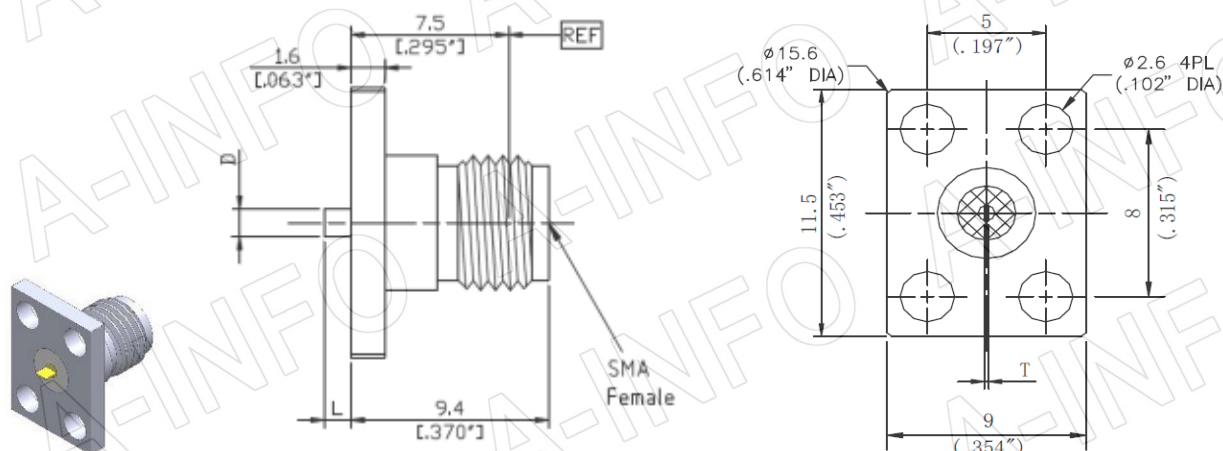
P/N	D	L	T	Figure
HPC1712-04	1.27mm/0.05inch	1.27mm/0.05inch	0.15mm/0.006inch	2



P/N	D	L	T	Figure
HPC1713-01	0.65mm/0.026inch	4mm/0.158inch	0.2mm/0.008inch	1
HPC1713-02	0.65mm/0.026inch	4mm/0.158inch	0.2mm/0.008inch	2

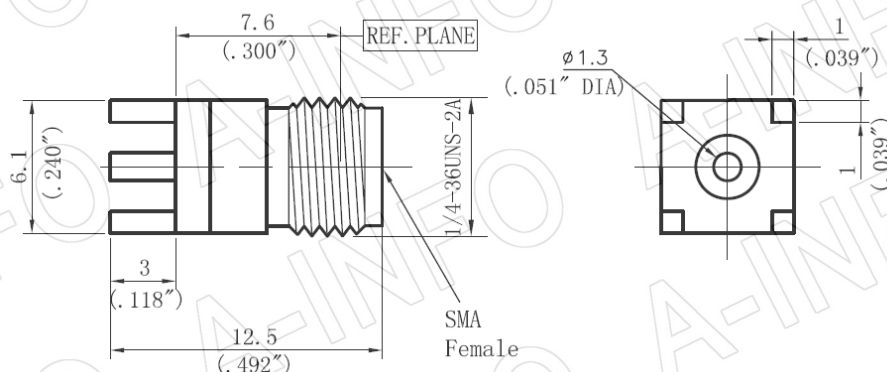


P/N	D	L	T	Figure
HPC1713-03	1.27mm/0.05inch	1.27mm/0.05inch	0.15mm/0.006inch	1



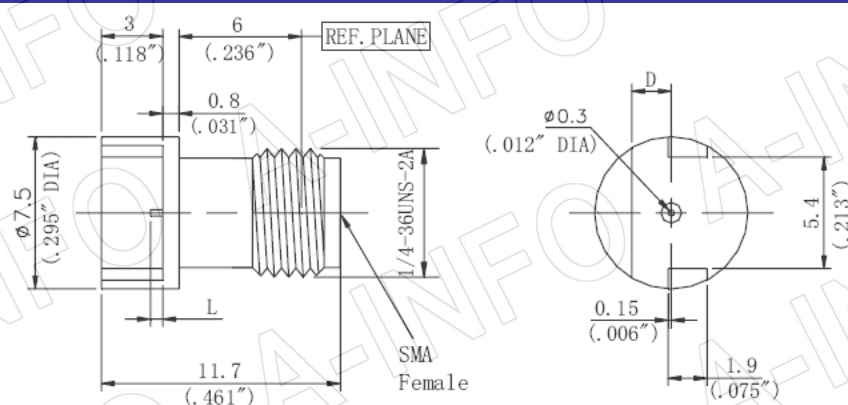
P/N	D	L	T	Figure
HPC1713-04	1.27mm/0.05inch	1.27mm/0.05inch	0.15mm/0.006inch	2

SMA Series PCB Connectors



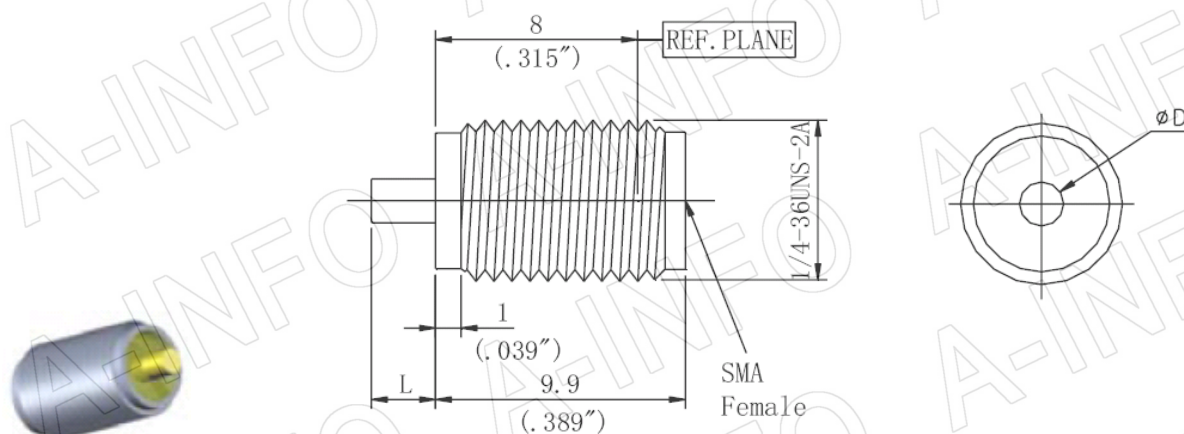
P/N

HPC1512-01



P/N	D	L	PCB Thickness
HPC1513-01	1.93mm/0.076"	0.6mm/0.023"	1.78mm/0.070"
HPC1513-02	0.76mm/0.030"	0.6mm/0.023"	0.61mm/0.024"
HPC1513-03	1.02mm/0.040"	0.6mm/0.023"	0.87mm/0.034"
HPC1514-01	1.93mm/0.076"	1.22mm/0.048"	1.78mm/0.070"
HPC1514-02	0.76mm/0.030"	1.22mm/0.048"	0.61mm/0.024"
HPC1514-03	1.02mm/0.040"	1.22mm/0.048"	0.87mm/0.034"

SMA Stripline Receptacles Connectors



P/N	D	L
HPC1610-01	1.75mm/0.069inch	2.54mm/0.100inch
HPC1610-02	1.75mm/0.069inch	4.7mm/0.185inch