

Membrapor Gas Sensor Sockets						
Membrapor Gas Sensor Sockets Model Number	Andon Part Number Replace "XXX" with Terminal Type	Terminal Type		Pin Ø [in]	Figure Number	Page Number
		Thru-Hole	Surface Mount			
C2H2/S-2000-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
C2H4/C-10	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
C2H4/C-200	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
C2H4/C-1500	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
C2H4/C-2000	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
C2H4/M-10	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	185	4
C2H4/M-200	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	185	4
C2H4/M-1500	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	185	4
C2H4/M-2000	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	185	4
C2H4/S-10	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
C2H4/S-200	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
C2H4/S-1500	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
C2H4/S-10-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
C2H4/S-200-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
C2H4/S-1500-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
CH2O/C-10	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
CH2O/M-10	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	185	4
CH2O/M-10-2E	R530-0402-02N-XXX-R27-L14	436P55	440P55	.060	183	4
CH2O/M-2000-2E	R530-0402-02N-XXX-R27-L14	436P55	440P55	.060	183	4
CH2O/S-10	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
CH2O/S-10-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
CI2/C-20	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
CI2/C-200	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
CI2/C-5000	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
CI2/M-20	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	185	4
CI2/S-20	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
CI2/S-50	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
CI2/S-200	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
CI2/S-20-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
CI2/S-50-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
CI2/S-200-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
CO/C-1000	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
CO/CF-200	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
CO/CF-500	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
CO/CF-1000	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
CO/CF-2000	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
CO/CFA-200	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
CO/CFA-1000	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
CO/CFA-10000	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
CO/MF-2E	R530-0402-02N-XXX-R27-L14	436P55	440P55	.060	183	4
CO/MF-200	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	185	4
CO/MF-500	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	185	4
CO/MF-1000	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	185	4
CO/MF-2000	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	185	4
CO/MFA-500	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	185	4
CO/S-1000	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
CO/SF-200	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
CO/SF-500	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
CO/SF-1000	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
CO/SF-2000	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
CO/SF-200-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
CO/SF-500-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
CO/SF-1000-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
CO/SF-2000-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
CO/SF-4000-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5

Membrapor Gas Sensor Sockets <i>Continued</i>						
Membrapor Gas Sensor Sockets Model Number	Andon Part Number Replace "XXX" with Terminal Type	Terminal Type		Pin Ø [in]	Figure Number	Page Number
		Thru-Hole	Surface Mount			
CO/SF-40000-S	R1355-SP02-02N-XXX-R27-L14	433E	285E	.040	227	5
CO/SF-2E	R1355-SP02-02N-XXX-R27-L14	433E	285E	.040	227	5
CO/SF-2E-S	R1355-SP02-02N-XXX-R27-L14	433E	285E	.040	227	5
CO/SF-4E-S	R1355-SP04-03N-XXX-R27-L14	433E	285E	.040	229	5
CO/SFA-200	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
CO/SFA-1000	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
CO/SFA-10'000	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
CO/SFA-200-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
CO/SFA-1000-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
CO/SFA-10'000-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
ETO/C-20	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
H2/C-1000	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
H2/C-2000	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
H2/C-5000	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
H2/C-20000	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
H2/CA-1000	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
H2/CB-1000	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
H2/CT-40000	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
H2/M-1000	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	185	4
H2/M-4000	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	185	4
H2/S-1000	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	4
H2/S-2000	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	4
H2/S-1000-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	4
H2/S-10000-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	4
H2/SA-1000	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	4
H2O2/CB-100	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
H2O2/CB-500	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
H2S/C-50	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
H2S/C-200	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
H2S/C-1000	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
H2S/C-2000	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
H2S/C-5000	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
H2S/CD-5000	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
H2S/M-50	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	185	4
H2S/M-100	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	185	4
H2S/M-500	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	185	4
H2S/M-2000	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	185	4
H2S/S-50	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
H2S/S-200	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
H2S/S-1000	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
H2S/S-10000	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
H2S/M-200-2E	R530-0402-02N-XXX-R27-L14	436P55	440P55	.060	183	4
H2S/S-50-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
H2S/S-200-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
H2S/S-1000-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
H2S/S-10000-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
H2S/SD-20000	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
HCI/C-20	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
HCI/C-200	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
HCI/C-1000	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
HCI/C-3000	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
HCI/M-20	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	185	4
HCN/C-100	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
HCN/M-50	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	185	4
NH3/CR-200	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4

Membrapor Gas Sensor Sockets <i>Continued</i>						
Membrapor Gas Sensor Sockets Model Number	Andon Part Number Replace "XXX" with Terminal Type	Terminal Type		Pin Ø [in]	Figure Number	Page Number
		Thru-Hole	Surface Mount			
NH3/CR-1000	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
NH3/CR-5000	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
NH3/MR-100	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
NH3/MR-100-2E	R530-0402-02N-XXX-R27-L14	436P55	440P55	.060	183	4
NH3/MR-500	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	185	4
NH3/MR-1000	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	185	4
NH3/SR-200	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
NH3/SR-200-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
NH3/SR-1000	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
NH3/SR-1000-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
NO2/C-20	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
NO2/C-25	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
NO2/C-100	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
NO2/CF-100	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
NO2/CF-2000	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
NO2/M-250	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	185	4
NO2/M-1000	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	185	4
NO2/S-25	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
NO2/S-25-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
NO2/S-100-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
NO2/SF-100	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
NO2/SF-100-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
NO2/SF-1000	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
NO2/SF-1000-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
NO2/SF-2000-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
NO2/SF-5000	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
NO2/SF-5000-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
NO2/M-2E	R530-0402-02N-XXX-R27-L14	436P55	440P55	.060	183	4
NO2/M-20	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	185	4
NO2/M-100	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	185	4
NO2/S-20-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
NO2/S-100	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
NO2/S-500-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
NO2/S-1000	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
NO2/S-1000-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
O3/C-5	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
O3/C-100	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
O3/C-200	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
O3/C-1000	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
O3/C-5000	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
O3/M-5	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	185	4
O3/M-100	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	185	4
O3/S-5	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
O3/S-5-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
O3/S-30000	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
PH3/C-5	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
PH3/C-500	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
PH3/C-1000	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
PH3/C-2000	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
PH3/M-5	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	185	4
PH3/M-20	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	185	4
PH3/S-5	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
PH3/S-5-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
SERIES 4 TO 3	RA530-0403-01-XXX-R27-L14	N/A	440P55	.060	254	6
SERIES 4 TO 7	RA530-0403-02-XXX-R27-L14	N/A	440P55	.060	255	6

Membrapor Gas Sensor Sockets <i>Continued</i>						
Membrapor Gas Sensor Sockets Model Number	Andon Part Number Replace "XXX" with Terminal Type	Terminal Type		Pin Ø [in]	Figure Number	Page Number
		Thru-Hole	Surface Mount			
SiH4/C-20	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
SiH4/C-50	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
SiH4/M-50	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	185	4
SiH4/S-50	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
SiH4/S-50-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
SO2/C-20	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
SO2/C-100	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
SO2/C-2000	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
SO2/CF-20	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
SO2/CF-100	R670-0804-02N-XXX-R27-L14	433E	285E	.040	196A	4
SO2/M-20	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	185	4
SO2/MF-20	R530-0403-02N-XXX-R27-L14	436P55	440P55	.060	185	4
SO2/S-20	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
SO2/S-20-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
SO2/S-100	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
SO2/S-2000-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
SO2/SF-100	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
SO2/SF-100-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5
SO2/SF-2000-S	R1355-SP03-01N-XXX-R27-L14	433E	285E	.040	228	5

Top View Shown Units: in [mm]

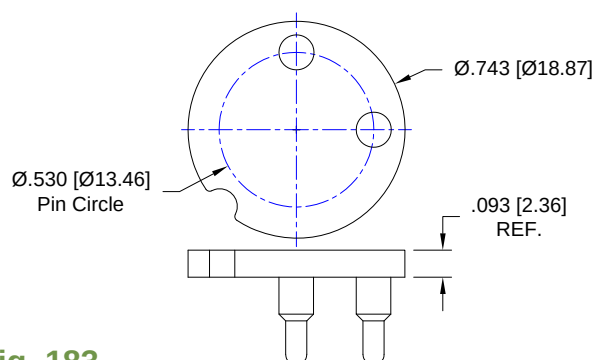


Fig. 183

Thru-hole: R530-0402-02N-**436P55**-R27-L14
Surface Mount: R530-0402-02N-**440P55**-R27-L14

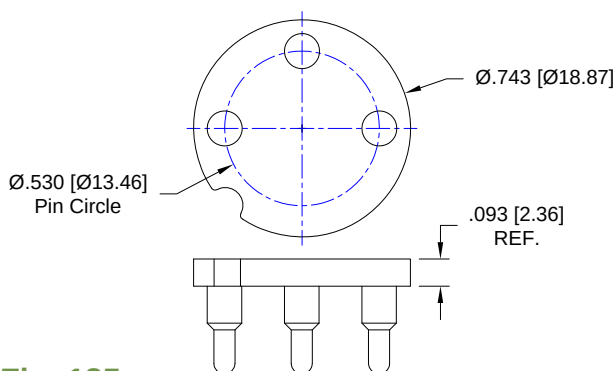
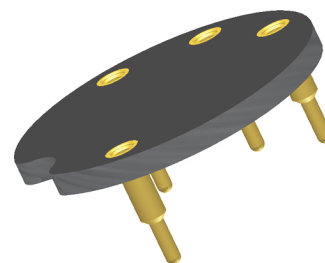


Fig. 185

Thru-hole: R530-0403-02N-**436P55**-R27-L14
Surface Mount: R530-0403-02N-**440P55**-R27-L14

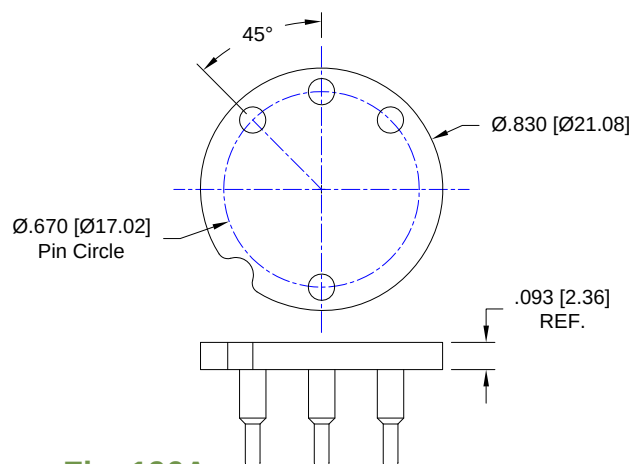


Fig. 196A

Thru-hole: R670-0804-02N-**433E**-R27-L14
Surface Mount: R670-0804-02N-**285E**-R27-L14

Membrapor Gas Sensor Sockets *Continued*

Top View Shown

Units: in [mm]

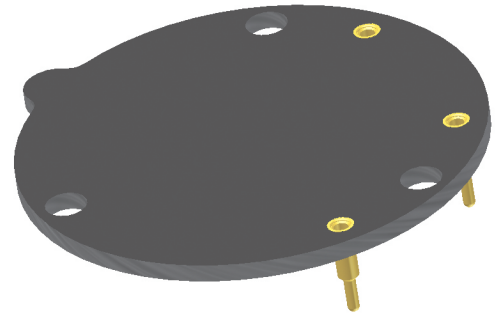
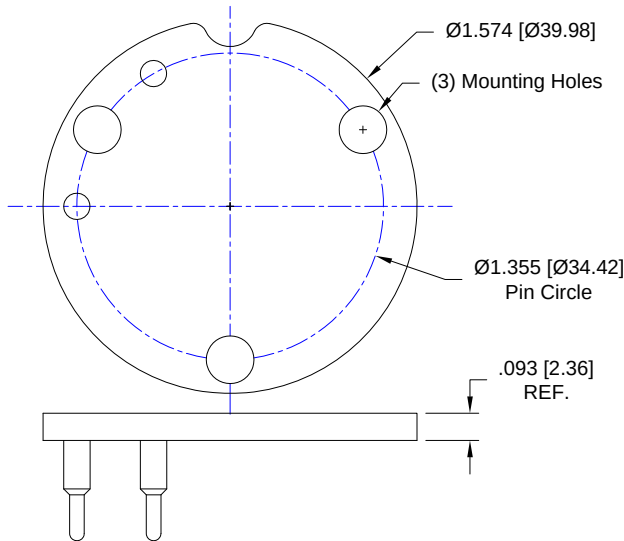


Fig. 227

Thru-hole: R1355-SP02-02N-433E-R27-L14
Surface Mount: R1355-SP02-02N-285E-R27-L14

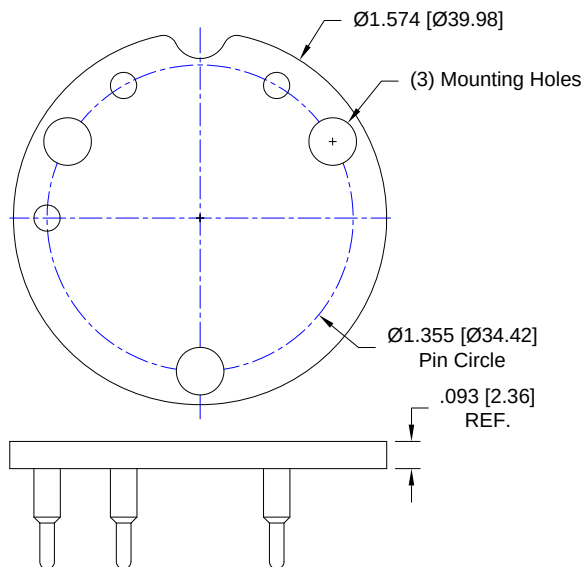


Fig. 228

Thru-hole: R1355-SP03-01N-433E-R27-L14
Surface Mount: R1355-SP03-01N-285E-R27-L14

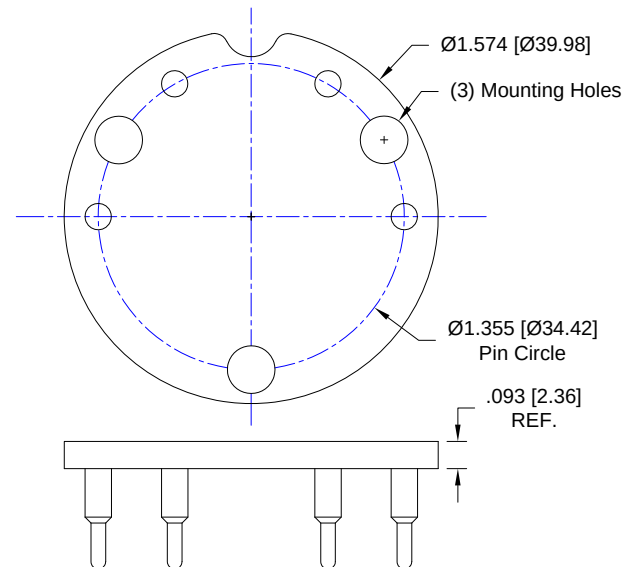


Fig. 229

Thru-hole: R1355-SP04-03N-433E-R27-L14
Surface Mount: R1355-SP04-03N-285E-R27-L14

Membrapor Gas Sensor Sockets *Continued*

Gas Sensor Adapter Socket Footprints

****Sockets accept $\pm .003$ [.08] diameter Pin Circles**

Sockets may have a notch or tab for orientation purposes

Top View Shown

Units: in [mm]

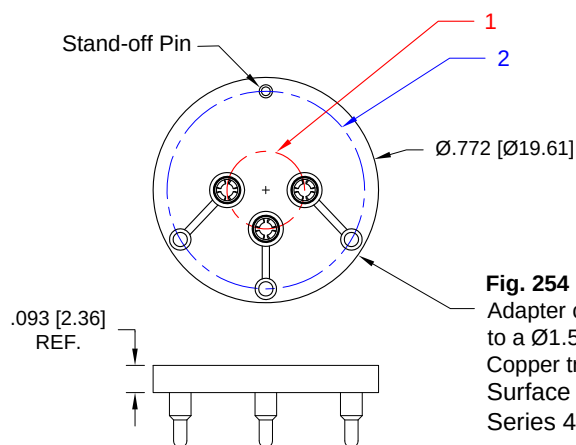


Fig. 254

Adapter converts a $\text{Ø}.530$ [$\text{Ø}13.46$] $\pm .003$ [.076] ① Pin Circle Device to a $\text{Ø}1.545$ [$\text{Ø}39.24$] $\pm .003$ [.076] ② Pin Circle Device using Gold plated Copper traces.

Surface Mount: RA530-0403-01-440P55-R27-L14

Series 4 to Series 3 Adapter

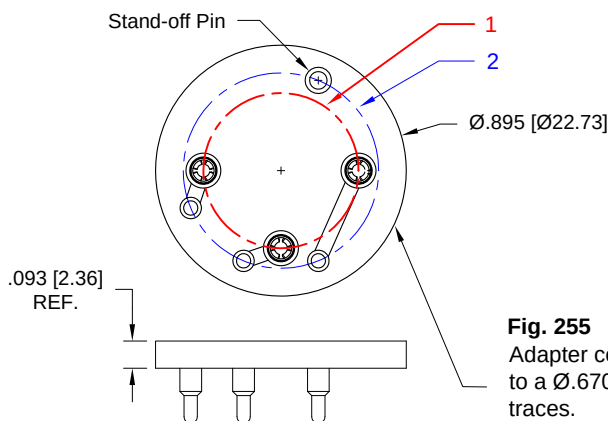
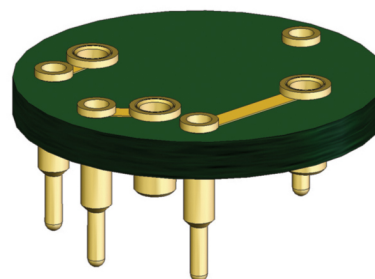


Fig. 255

Adapter converts a $\text{Ø}.530$ [$\text{Ø}13.46$] $\pm .003$ [.076] ① Pin Circle Device to a $\text{Ø}.670$ [$\text{Ø}17.01$] $\pm .003$ [.076] ② Pin Circle Device using Gold plated Copper traces.

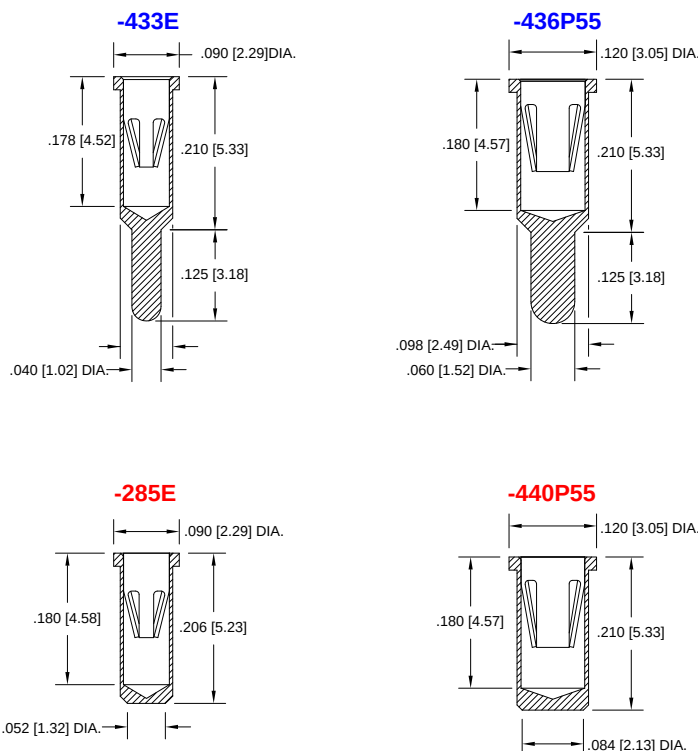
Surface Mount: RA530-0403-02-440P55-R27-L14

Series 4 to Series 7 Adapter



Membrapor Gas Sensor Sockets *Continued*

Socket Terminal Details Cross Section View Shown Units: in [mm]



Technical Information

Material:

Insulator: Hi-Temp UL 94V-O
 Terminal: Brass, per ASTM-B16
 Contact: BeCu, Per ASTM-B194

Plating: RoHS COMPLIANT

R27 TERMINAL: GOLD / CONTACT: GOLD

R17 TERMINAL: TIN / CONTACT: GOLD

OTHER PLATINGS AVAILABLE

Terminal Acceptance and Forces							
Thru Hole Terminals				Surface Mount Terminals			
Thru Hole Terminal	Accepts Pin Diameter	Insertion Force	Withdrawal Force	Surface Mount Terminal	Accepts Pin Diameter	Insertion Force	Withdrawal Force
-433E	Ø.040 [Ø1.02]	36.0 oz Max	3.9 oz Min	-285V	Ø.040 [Ø1.02]	36.0 oz Max	3.9 oz Min
-436P55	Ø.060 [Ø1.52]	15.5 oz Max	2.1 oz Min	-440P55	Ø.060 [Ø1.52]	15.5 oz Max	2.1 oz Min

MOUNTING OPTIONS

