

BOSTON ELECTRONICS CORP.						
Boston Electronics Corp. Model Number	Andon Part Number Replace "XXX" with Terminal Type	Terminal Type		Pin Ø [in]	Figure Number	Page Number
		Thru-Hole	Surface Mount			
SG01S-HT	R100-0402-03T-XXX-R15-L14	75S	265S	.018	1	2
SG01S-C18	R100-0402-03T-XXX-R15-L14	75S	265S	.018	1	2
SG01S	R100-0402-03T-XXX-R15-L14	75S	265S	.018	1	2
SG01S-S	R100-0402-03T-XXX-R15-L14	75S	265S	.018	1	2
SG01-M	R100-0402-03T-XXX-R15-L14	75S	265S	.018	1	2
SG01L-18	R100-0402-03T-XXX-R15-L14	75S	265S	.018	1	2
TW30SX	R100-0402-03T-XXX-R15-L14	75S	265S	.018	1	2
AG 28S	R100-0402-03T-XXX-R15-L14	75S	265S	.018	1	2
AG 32S	R100-0402-03T-XXX-R15-L14	75S	265S	.018	1	2
AG 38S	R100-0402-03T-XXX-R15-L14	75S	265S	.018	1	2
TW30DZ	R100-0402-03T-XXX-R15-L14	75S	265S	.018	1	2
TW30DY2	R100-0402-03T-XXX-R15-L14	75S	265S	.018	1	2
TW30DY	R100-0402-03T-XXX-R15-L14	75S	265S	.018	1	2
TW30SY	R100-0402-03T-XXX-R15-L14	75S	265S	.018	1	2
SG01M-C	R100-0402-03T-XXX-R15-L14	75S	265S	.018	1	2
SG01L-C	R100-0402-03T-XXX-R15-L14	75S	265S	.018	1	2
SG01L-5	R100-0402-03T-XXX-R15-L14	75S	265S	.018	1	2
SG01S-5	R100-0402-03T-XXX-R15-L14	75S	265S	.018	1	2
IR-12 Emitter	R200-0402-03T-XXX-R15-L14	433E	285E	.040	2	2
IR-21 Emitter	R200-0402-03T-XXX-R15-L14	433E	285E	.040	2	2
IR-30 Emitter	R230-0402-01T-XXX-R15-L14	01S	93S	.018	3	2
IR-40 Emitter	R100-0402-03T-XXX-R15-L14	75S	265S	.018	1	2
IR-43 Emitter	R100-0402-03T-XXX-R15-L14	75S	265S	.018	1	2
HTPA	R375-SP16-02T-XXX-R15-L14	01S	93S	.018	4	3
HMS Z11-F5.5	R100-0402-01T-XXX-R15-L14	437T	329T	.010	5	3
HTS A11	R200-0404-02T-XXX-R15-L14	01S	93S	.018	6	3
HTS B21	R200-0404-02T-XXX-R15-L14	01S	93S	.018	6	3
HTS C21	R200-0404-02T-XXX-R15-L14	01S	93S	.018	6	3
HTS B31	R200-0404-02T-XXX-R15-L14	01S	93S	.018	6	3
HTS C31	R200-0404-02T-XXX-R15-L14	01S	93S	.018	6	3
HMS Z11	R100-0404-01T-XXX-R15-L14	400T4	414T4	.012	7	3
HMS J11	R100-0404-02T-XXX-R15-L14	211S	384S	.018	8	3
HMS J21	R100-0404-02T-XXX-R15-L14	211S	384S	.018	8	3
HPS K09C	R100-0404-02T-XXX-R15-L14	211S	384S	.018	8	3
HPS K10C	R100-0404-02T-XXX-R15-L14	211S	384S	.018	8	3
HPS A01B	R200-0403-02T-XXX-R15-L14	01S	93S	.018	9	3
HPS A01E	R200-0403-02T-XXX-R15-L14	01S	93S	.018	9	3
HPS A02A	R200-0403-02T-XXX-R15-L14	01S	93S	.018	9	3
HPS A02B	R200-0403-02T-XXX-R15-L14	01S	93S	.018	9	3
HPS A02E	R200-0403-02T-XXX-R15-L14	01S	93S	.018	9	3
HPS A03E	R200-0403-02T-XXX-R15-L14	01S	93S	.018	9	3
HPS A08E	R200-0403-02T-XXX-R15-L14	01S	93S	.018	9	3
HPS A04G	R200-0403-02T-XXX-R15-L14	01S	93S	.018	9	3
HPS A05F	R200-0403-02T-XXX-R15-L14	01S	93S	.018	9	3
HPS D10E	R200-0403-02T-XXX-R15-L14	01S	93S	.018	9	3
HPS E09E	R200-0403-02T-XXX-R15-L14	01S	93S	.018	9	3
HPS E10E	R200-0403-02T-XXX-R15-L14	01S	93S	.018	9	3
HPS E29E	R200-0403-02T-XXX-R15-L14	01S	93S	.018	9	3
HPS E30E	R200-0403-02T-XXX-R15-L14	01S	93S	.018	9	3
HSL 5/115/S	R100-0402-03T-XXX-R15-L14	75S	265S	.018	1	2
HPS-LTI-S	IS229-716-XXX-R29-L14	295V	439V	.030	10	4
HPS-LTS	IS229-716-XXX-R29-L14	295V	439V	.030	10	4
HPS Q10E	R400-SP12-02T-XXX-R15-L14	01S	93S	.018	11	4
HPS D30E	R400-SP12-02T-XXX-R15-L14	01S	93S	.018	11	4
HTS Q21	R200-0806-01T-XXX-R15-L14	211S	384S	.018	12	4
HTS E21	R200-0404-02T-XXX-R15-L14	01S	93S	.018	6	3
HTS E31	R200-0404-02T-XXX-R15-L14	01S	93S	.018	6	3
EP- Series	R437-0402-01T-XXX-R15-L14	01S	93S	.018	13	4
EK- Series	R437-0402-01T-XXX-R15-L14	01S	93S	.018	13	4

BOSTON ELECTRONICS CORP. <i>Continued</i>						
Boston Electronics Corp. Model Number	Andon Part Number Replace "XXX" with Terminal Type	Terminal Type		Pin Ø [in]	Figure Number	Page Number
		Thru-Hole	Surface			
EF-Series	R437-0402-01T-XXX-R15-L14	01S	93S	.018	13	4
EP-3872	R437-0402-01T-XXX-R15-L14	01S	93S	.018	13	4
EP-3962	R437-0402-01T-XXX-R15-L14	01S	93S	.018	13	4
EP-3963	R437-0402-01T-XXX-R15-L14	01S	93S	.018	13	4
EP-3964	R437-0402-01T-XXX-R15-L14	01S	93S	.018	13	4
EP-3965	R437-0402-01T-XXX-R15-L14	01S	93S	.018	13	4
EF-8530	R437-0402-01T-XXX-R15-L14	01S	93S	.018	13	4
EF-8531	R437-0402-01T-XXX-R15-L14	01S	93S	.018	13	4
EF-8532	R437-0402-01T-XXX-R15-L14	01S	93S	.018	13	4
EF-8533	R437-0402-01T-XXX-R15-L14	01S	93S	.018	13	4
EK-8520	R437-0402-01T-XXX-R15-L14	01S	93S	.018	13	4
EK-8521	R437-0402-01T-XXX-R15-L14	01S	93S	.018	13	4
EK-8522	R437-0402-01T-XXX-R15-L14	01S	93S	.018	13	4
EK-8523	R437-0402-01T-XXX-R15-L14	01S	93S	.018	13	4
reflectIR-P1N	R100-0402-03T-XXX-R15-L14	75S	265S	.018	1	2
reflectIR-P1S	R100-0402-03T-XXX-R15-L14	75S	265S	.018	1	2
reflectIR-P1C	R100-0402-03T-XXX-R15-L14	75S	265S	.018	1	2
NL8LNC	R212-SP02-01T-XXX-R15-L14	01S	93S	.018	15	4
NM8ASC	R212-SP02-01T-XXX-R15-L14	01S	93S	.018	15	4
NL8ACC	R212-SP02-01T-XXX-R15-L14	01S	93S	.018	15	4
NL82LNC	R377-SP06-01T-XXX-R15-L14	75S	265S	.018	16	4
NM82ASC	R377-SP06-01T-XXX-R15-L14	75S	265S	.018	16	4
NL82ACC	R377-SP06-01T-XXX-R15-L14	75S	265S	.018	16	4
NL84LNC	R377-SP06-01T-XXX-R15-L14	75S	265S	.018	16	4
NM84ASC	R377-SP06-01T-XXX-R15-L14	75S	265S	.018	16	4
NL84ACC	R377-SP06-01T-XXX-R15-L14	75S	265S	.018	16	4
NL5LNC	R163-SP02-01T-XXX-R15-L14	01S	93S	.018	14	4
NM5NSC	R163-SP02-01T-XXX-R15-L14	01S	93S	.018	14	4
NL5NGS	R163-SP02-01T-XXX-R15-L14	01S	93S	.018	14	4
NL5NCC	R163-SP02-01T-XXX-R15-L14	01S	93S	.018	14	4
NL46LNX	R100-0402-03T-XXX-R15-L14	75S	265S	.018	1	2

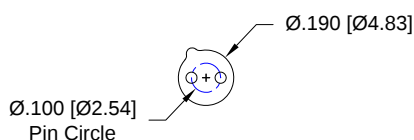


Fig 1

Thru-Hole: R100-0402-03T-**75S**-R15-L14
Surface Mount: R100-0402-03T-**265S**-R15-L14

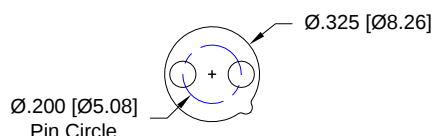


Fig 2

Thru-Hole: R200-0402-03T-**433E**-R15-L14
Surface Mount: R200-0402-03T-**285E**-R15-L14

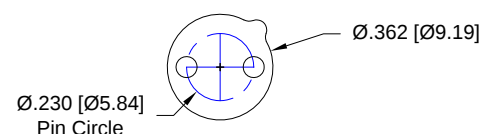


Fig. 3

Thru-Hole: R230-0402-01T-**01S**-R15-L14
Surface Mount: R230-0402-01T-**93S**-R15-L14

Boston Electronics Corp. Continued

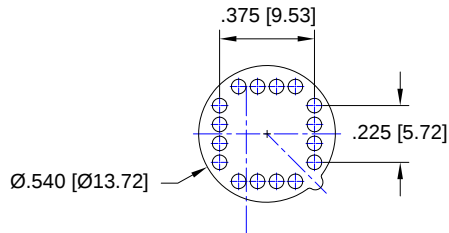


Fig 4

Thru-Hole: R375-SP16-02T-**01S**-R15-L14
Surface Mount: R375-SP16-02T-**93S**-R15-L14

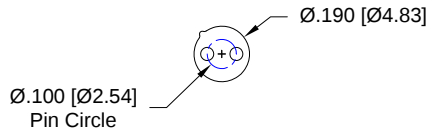
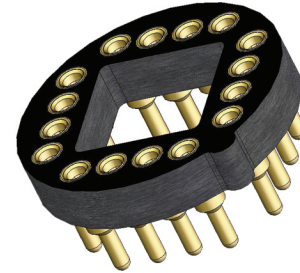


Fig 5

Thru-Hole: R100-0402-01T-**437T**-R15-L14
Surface Mount: R100-0402-01T-**329T**-R15-L14

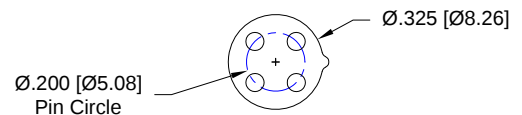


Fig. 6

Thru-Hole: R200-0404-02T-**01S**-R15-L14
Surface Mount: R200-0404-02T-**93S**-R15-L14

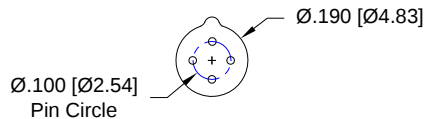


Fig 7

Thru-Hole: R100-0404-01T-**400T4**-R15-L14
Surface Mount: R100-0404-01T-**414T4**-R15-L14

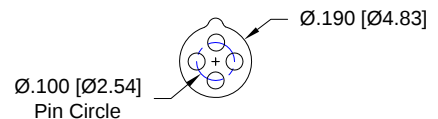


Fig. 8

Thru-Hole: R100-0404-02T-**211S**-R15-L14
Surface Mount: R100-0404-02T-**384S**-R15-L14

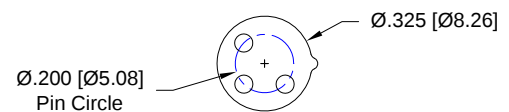
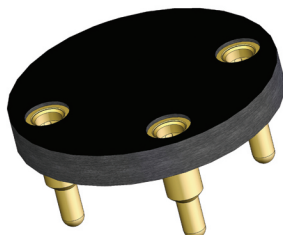


Fig 9

Thru-Hole: R200-0403-02T-**01S**-R15-L14
Surface Mount: R200-0403-02T-**93S**-R15-L14

Boston Electronics Corp. Continued

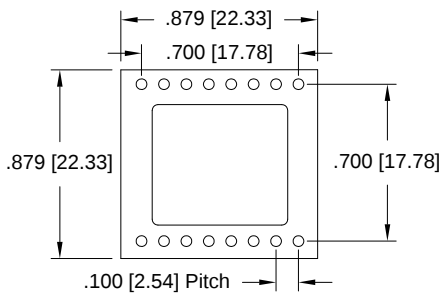


Fig 10

Thru-Hole: IS229-716-295V-R29-L14
Surface Mount: IS229-716-439V-R29-L14

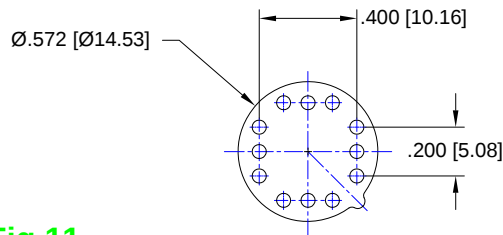
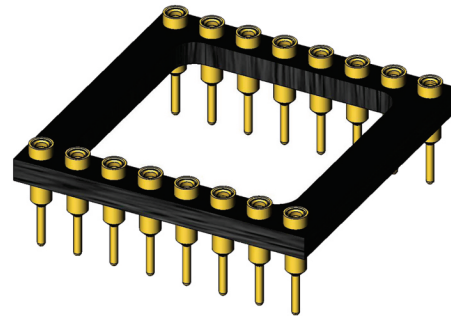


Fig 11

Thru-Hole: R400-SP12-02T-01S-R15-L14
Surface Mount: R400-SP12-02T-93S-R15-L14

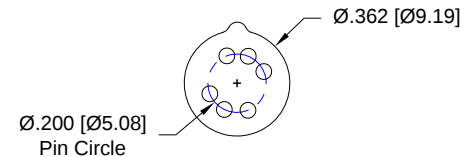


Fig. 12

Thru-Hole: R200-0806-01T-211S-R15-L14
Surface Mount: R200-0806-01T-384S-R15-L14

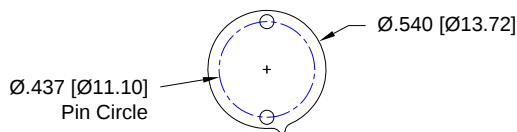


Fig 13

Thru-Hole: R437-0402-01T-01S-R15-L14
Surface Mount: R437-0402-01T-93S-R15-L14

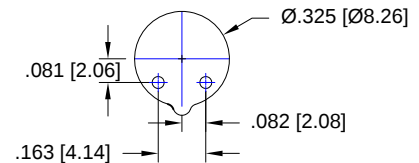


Fig. 14

Thru-Hole: R163-SP02-01T-01S-R15-L14
Surface Mount: R163-SP02-01T-93S-R15-L14

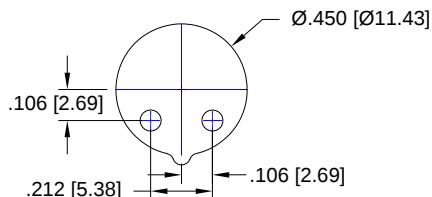


Fig 15

Thru-Hole: R212-SP02-01T-01S-R15-L14
Surface Mount: R212-SP02-01T-93S-R15-L14

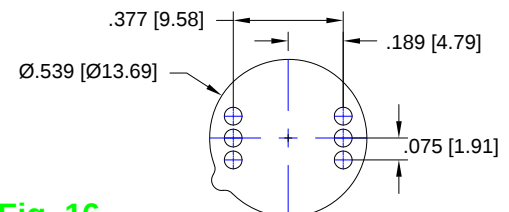
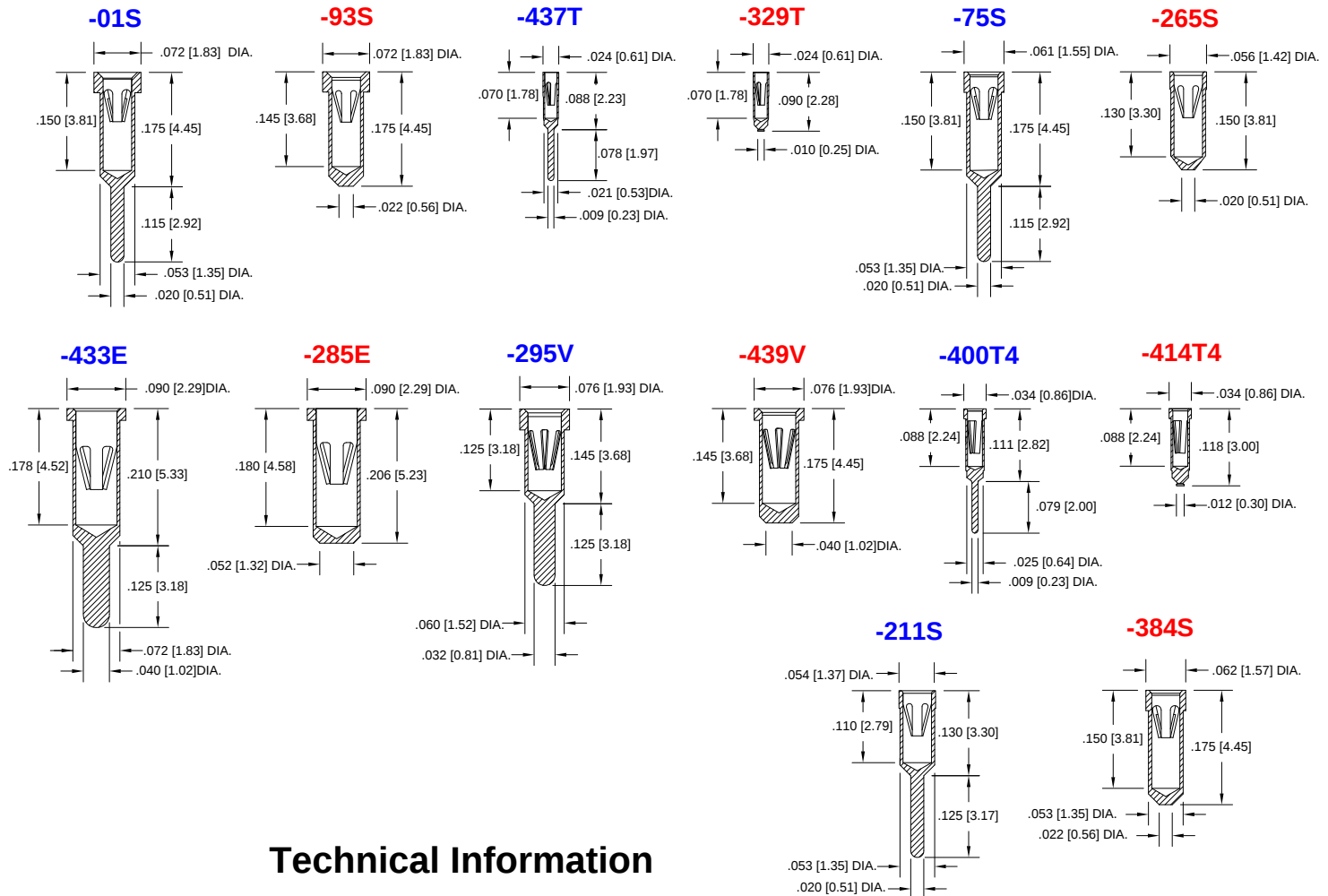


Fig. 16

Thru-Hole: R377-SP06-01T-75S-R15-L14
Surface Mount: R377-SP06-01T-265S-R15-L14

Boston Electronics Corp. 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

R15 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
-01S	Ø.018 [Ø0.46]	9.0 oz Avg.	2.0 oz Min	-93S	Ø.018 [Ø0.46]	9.0 oz Avg.	2.0 oz Min
-75S	Ø.018 [Ø0.46]	9.0 oz Avg.	2.0 oz Min	-265S	Ø.018 [Ø0.46]	9.0 oz Avg.	2.0 oz Min
-211S	Ø.018 [Ø0.46]	9.0 oz Avg.	2.0 oz Min	-384S	Ø.018 [Ø0.46]	9.0 oz Avg.	2.0 oz Min
-295V	Ø.030 [Ø0.76]	13.2 oz Max	3.5 oz Min	-439V	Ø.030 [Ø0.76]	13.2 oz Max	3.5 oz Min
-433E	Ø.040 [Ø1.02]	36.0 oz Max	3.9 oz Min	-285E	Ø.040 [Ø1.02]	36.0 oz Max	3.9 oz Min
-437T	Ø.010 [Ø0.25]	1.0 oz Avg.	0.3 oz Min	-329T	Ø.010 [Ø0.25]	1.0 oz Avg.	0.3 oz Min
-400T4	Ø.012 [Ø0.30]	1.1 oz Max	0.3 oz Min	-414T4	Ø.012 [Ø0.30]	1.1 oz Max	0.3 oz Min

MOUNTING OPTIONS

