ANDON
INTERCONNECTION SPECIALISTS

ISO 9001:2000
CERTIFIED
RoHS COMPLIANT

HIGH TEMP TERMINALS & TEST-JACKS

CATALOG 2007

ANDON ELECTRONICS CORPORATION
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ANDON
INTERCONNECTION SPECIALISTS

INDEX

ISO 9001:2000
CERTIFIED
RoHS COMPLIANT

Part Number	Page #
H10-XXX-XXXX-P15	50
H11-XXX-D01H-P15	51
H15-XXX-XXX-G10	52
H16-XX-T01H-P15	53
H17-XX-T01H-P15	53
H18-08-T03H-P15	53
H19-XX-T03H-P15	53
H20-12-T03H-P15	53
H21-12-T01H-P15	53
H22-XX-T03H-P15	53
H23-XX-T03H-P15	53
H24-XX-T01H-P15	53
H25-XX-T02H-P15	54
H26-XX-T02H-P15	54
H27-12-T02H-P15	54
H28-XX-T02H-P15	54
J10-1001-P41-X	55
J11-1001-P43-X	55
J12-1001-P40-X	55
J13-1001-P42-X	55
J14-1001-P29-X	55
N10-1001-T08	58
N11-1001-T08	58
T10-1001-P33-1	56
T10-1002-P33-1	56
T10-1003-P33-1	56
T10-1004-P33-1	56
T11-1001-P33-1	56
T11-1002-P331	56
T12-1001-P33-1	56
T12-1002-P33-1	56
T12-1003-P33-1	56
T13-1001-P33-1	56
T13-1002-P33-1	56
T14-1001-P33-1	56
T14-1002-P33-1	56
T15-1001-P33-1	57
T16-1001-P33-1	57
T17-1001-P33-1	57
T18-1001-P33-1	58
T18-1002-P33-1	58
T18-1003-P33-1	58
T18-1004-P33-1	58
T19-1001-P33-1	58
T19-1002-P33-1	58
T19-1003-P33-1	58
T20-1001-P33-1	61
T20-1002-P33-1	61

Part Number	Page #
T21-1001-P33-1	59
T21-1002-P33-1	59
T21-1003-P33-1	59
T21-1004-P33-1	59
T21-1005-P33-1	59
T21-1006-P33-1	59
T21-1007-P33-1	59
T22-1001-P33-1	59
T23-1001-P33-1	59
T23-1002-P33-1	59
T23-1003-P33-1	59
T23-1004-P33-1	59
T23-1005-P33-1	59
T23-1006-P33-1	59
T23-1007-P33-1	59
T23-1008-P33-1	59
T23-1009-P33-1	59
T23-1010-P33-1	59
T24-1001-P33-1	60
T24-1002-P33-1	60
T24-1003-P33-1	60
T25-1001-P33-1	60
T25-1002-P33-1	60
T25-1003-P33-1	60
T25-1004-P33-1	60
T26-1001-P33-1	60
T26-1002-P33-1	60
T26-1003-P33-1	60
T26-1004-P33-1	60
T27-1001-P33-1	60
T27-1002-P33-1	60
T27-1003-P33-1	60
T28-1001-P33-1	60
T29-1001-P33-1	61
T30-1001-P33-1	61
T31-1001-P33-1	61
T31-1002-P33-1	61
T32-1001-P33-1	61
T33-1001-P33-1	62
T34-1001-P33-1	62
T35-1001-P33-1	62
T36-1001-P33-1	57
T36-1002-P33-1	57
T36-1003-P33-1	57
T36-1004-P33-1	57
T37-1001-P33-1	57

WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

ANDON ELECTRONICS CORPORATION
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HI-TEMP SOCKETS

SERIES H10

200°C CLOSED FRAME IC

DIP SOCKETS w/o STANDOFFS

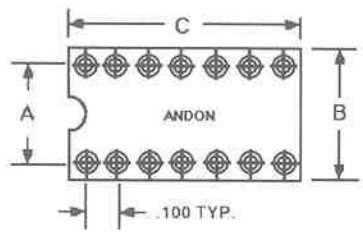
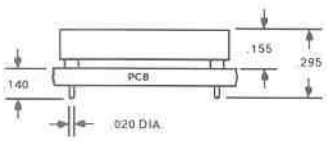


FIGURE 1



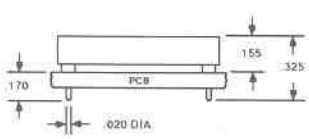


FIGURE 2

Andon's Hi-Temp 200°C DIP Sockets without standoffs are integrated and molded with insulation for optimum mechanical security. Features include: maximum insulation coverage to prevent shorting in high shock and vibration environments, a lead-in chamfer for easy device insertion, a closed bottom to prevent solder wicking into contact area, and rigid terminals for accurate installation on PCB.

Andon's Hi-Temp 200°C DIP Sockets are flame retardant, can handle temperatures that range up to 250°C and are made with high temperature Diallyl Phthalate per MIL-M-14G, Type SDG-F.

SPECIAL FEATURES AND BENEFITS:

- Dual-in-line sockets for low profile, high density packaging.
- Sockets accept packages with round or flat leads.
- Cut out on one end of socket for indexing orientation.
- Molded in rigid solder terminal will not bend when installing into PC Board.
- Terminal/contact assembly - integrated and molded with insulation for optimum mechanical security.
- Maximum insulation coverage to prevent shorting in high shock and vibration environments.
- Lead-in chamfer for easy device insertion.
- Closed bottom prevents solder wicking into contact area.
- High temperature Diallyl Phthalate per MIL-M-14G, Type SDG-F, flame retardant, temperature range up to 250°C.

SPECIFICATIONS

PLATING:
P15:
TERMINAL: GOLD 10µ
CONTACT: GOLD 30µ

INSULATION:
DIALLYL PHTHALATE:
PER MIL-M-14G. TYPE SDG-F
UL RATING: 94V-0

TERMINAL:
BRASS: PER QQ-B-626

CONTACT:
BERYLLIUM COPPER:
PER QQ-C-533

** OTHER PLATINGS AND ALLOYS AVAILABLE INCLUDING BERYLLIUM NICKEL CONTACT*

RESISTANCE:
3.5 milliohms max.
(MIL-STD-1344 Method 3004)

CONTACT RATING: 1 Amp

INSULATION RESISTANCE:
5K megohms min.
(MIL-STD-1344 Method 3003)

DIELECTRIC WITHSTANDING VOLTAGE AT 60 Hz
600V min. (MIL-STD-202 Method 301)

INSERTION FORCE:
9 oz. (avg.) with .018" diameter pin

WITHDRAWAL FORCE:
4 oz. (avg.) with .018" diameter pin

OPERATING TEMPERATURE:
200°C

FLAMMABILITY: UL 94V-0

PART #	FIGURE #	# OF PINS	A	B	C
H10-306-D01H-P15	1	6	.300	.395	.295
H10-308-D01H-P15	1	8	.300	.395	.395
H10-310-D01H-P15	1	10	.300	.395	.495
H10-314-D01H-P15	1	14	.300	.395	.695
H10-316-D01H-P15	1	16	.300	.395	.795
H10-318-D01H-P15	1	18	.300	.395	.895
H10-320-D01H-P15	1	20	.300	.395	.995
H10-422-D01H-P15	1	22	.400	.495	1.095
H10-624-D01H-P15	1	24	.600	.695	1.195
H10-628-D01H-P15	1	28	.600	.695	1.395
H10-640-D01H-P15	1	40	.600	.695	1.995

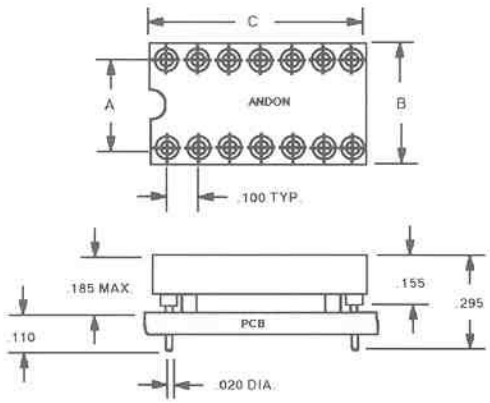
PART #	FIGURE #	# OF PINS	A	B	C
H10-306-D02H-P15	2	6	.300	.395	.295
H10-308-D02H-P15	2	8	.300	.395	.395
H10-310-D02H-P15	2	10	.300	.395	.495
H10-314-D02H-P15	2	14	.300	.395	.695
H10-316-D02H-P15	2	16	.300	.395	.795
H10-318-D02H-P15	2	18	.300	.395	.895
H10-320-D02H-P15	2	20	.300	.395	.995
H10-422-D02H-P15	2	22	.400	.495	1.095
H10-624-D02H-P15	2	24	.600	.695	1.195
H10-628-D02H-P15	2	28	.600	.695	1.395
H10-640-D02H-P15	2	40	.600	.695	1.995

HI-TEMP SOCKETS

SERIES H11

200°C CLOSED FRAME IC

DIP SOCKETS w/ STANDOFFS



Andon's Hi-Temp 200°C DIP Sockets are integrated and molded with insulation for optimum mechanical security. They are supplied with molded standoffs for maximum soldering visibility. Features include: maximum insulation coverage to prevent shorting in high shock and vibration environments, a lead-in chamfer for easy device insertion, a closed bottom to prevent solder wicking into contact area, and rigid terminals for accurate installation on PCB.

Andon's Hi-Temp 200°C DIP Sockets are flame retardant, can handle temperatures that range up to 250°C and are made with high temperature Diallyl Phthalate per MIL-M-14G, Type SDG-F.

SPECIAL FEATURES AND BENEFITS:

- Dual-in-line sockets for low profile, high density packaging.
- Sockets accept packages with round or flat leads.
- Cut out on one end of socket for indexing orientation.
- Molded in rigid solder terminal will not bend when installing onto PC Board.
- Terminal/contact assembly - integrated and molded with insulation for optimum mechanical security. Supplied with molded standoffs for soldering visibility.
- Maximum insulation coverage to prevent shorting in high shock and vibration environments.
- Lead-in chamfer for easy device insertion.
- Closed bottom prevents solder wicking into contact area.
- High temperature Diallyl Phthalate per MIL-M-14G, Type SDG-F, flame retardant, temperature range up to 250°C.

SPECIFICATIONS

PLATING:
P15:
TERMINAL: GOLD 10µ
CONTACT: GOLD 30µ

INSULATION:
DIALLYL PHTHALATE:
PER MIL-M-14G. TYPE SDG-F
UL RATING: 94V-0

TERMINAL:
BRASS: PER QQ-B-626

CONTACT:
BERYLLIUM COPPER:
PER QQ-C-533

** OTHER PLATINGS AND ALLOYS AVAILABLE INCLUDING BERYLLIUM NICKEL CONTACT*

RESISTANCE:
3.5 milliohms max.
(MIL-STD-1344 Method 3004)

CONTACT RATING: 1 Amp

INSULATION RESISTANCE:
5K megohms min.
(MIL-STD-1344 Method 3003)

DIELECTRIC WITHSTANDING VOLTAGE AT 60 Hz
600V min. (MIL-STD-202 Method 301)

INSERTION FORCE:
9 oz. (avg.) with .018" diameter pin

WITHDRAWAL FORCE:
4 oz. (avg.)with .018" diameter pin

OPERATING TEMPERATURE:
200° C

FLAMMABILITY: UL 94V-0

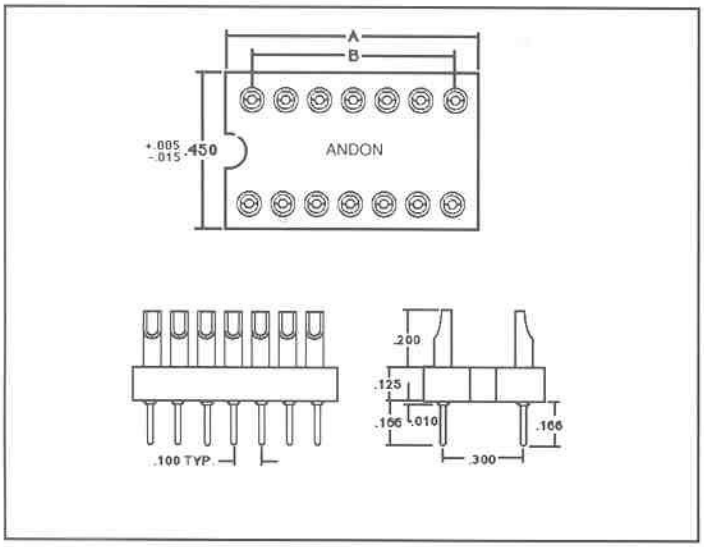
PART #	STAND-OFFS	# OF PINS	A	B	C
H11-306-D01H-P15	4	6	.300	.395	.295
H11-308-D01H-P15	4	8	.300	.395	.395
H11-310-D01H-P15	4	10	.300	.395	.495
H11-314-D01H-P15	4	14	.300	.395	.695
H11-316-D01H-P15	4	16	.300	.395	.795
H11-318-D01H-P15	4	18	.300	.395	.895
H11-320-D01H-P15	4	20	.300	.395	.995
H11-422-D01H-P15	4	22	.400	.495	1.095
H11-624-D01H-P15	4	24	.600	.695	1.195
H11-628-D01H-P15	4	28	.600	.695	1.395
H11-640-D01H-P15	4	40	.600	.695	1.995

HI-TEMP SOCKETS

SERIES H15

200°C CLOSED FRAME IC

COMPONENT ADAPTORS



Andon's Hi-Temp 200°C Closed Frame Component Adapter sockets are designed to adapt components of various configurations to the preset structure of your PC or wire-wrap circuit board. The adapter socket pins are integrated and molded with Diallyl Phthalate insulation to insure optimum mechanical security. Features include: maximum insulation coverage to prevent shorting in high shock and vibration environments, a lead-in chamfer for easy device insertion and rigid terminals for accurate installation.

Andon's Hi-Temp 200°C Component Adapter sockets are flame retardant, can handle temperatures that range up to 250°C and are made with high temperature Diallyl Phthalate per MIL-M-14G, Type SDG-F.

SPECIAL FEATURES AND BENEFITS:

- Dual-in-line component adapter sockets for low profile high density packaging.
- Cut out on one end of socket for indexing orientation.
- Maximum insulation coverage to prevent shorting in high shock and vibration environments.
- Lead-in chamfer for easy device insertion.
- High temperature Diallyl Phthalate per MIL-M-14G, Type SDG-F, flame retardant, temperature range up to 250°C.
- Choose from round, solder cup or bifurcated pin styles to suit your custom application.

SPECIFICATIONS

PLATING :
TERMINAL: G10 GOLD 10µ

INSULATION:
DIALLYL PHTHALATE:
PER MIL-M-14G. TYPE SDG-F
UL RATING: 94V-0

TERMINAL:
BRASS: PER QQ-B-626

INSULATION RESISTANCE:
5K megohms min.
(MIL-STD-1344 Method 3003)

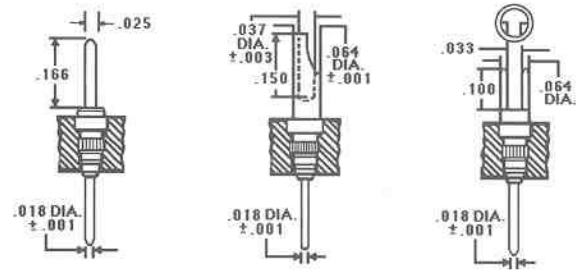
DIELECTRIC WITHSTANDING VOLTAGE AT 60 Hz
600V min. (MIL-STD-202 Method 301)

OPERATING TEMPERATURE:
200°C

FLAMMABILITY: UL 94V-0

** OTHER PLATINGS AVAILABLE*

PART #	TYPE	# OF PINS	A DIM. +.005 -.010	B DIM. EQ. SP @ .100 Ea.
H15-314-A77-G10	Round Pin	14	.750	.600
H15-316-A77-G10	Round Pin	16	.850	.700
H15-314-A36-G10	Solder Cup	14	.750	.600
H15-316-A36-G10	Solder Cup	16	.850	.700
H15-314-A06-G10	Bifurcated Pin	14	.750	.600
H15-316-A06-G10	Bifurcated Pin	16	.850	.700



Round Pin A77 | **Solder Cup A36** | **Bifurcated Pin A06**

HI-TEMP SOCKETS

SERIES H16, H17, H18, H19, H20, H21, H22, H23, H24

200°C TRANSISTOR SOCKETS w/o STANDOFFS

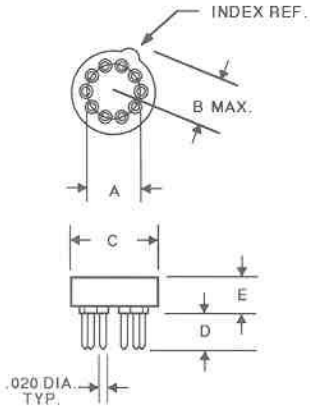


FIGURE 1

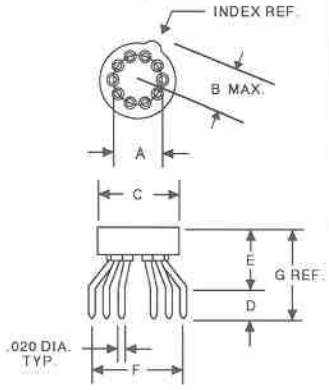


FIGURE 2

Andon's Hi-Temp 200°C Transistor Socket terminal/ contact assemblies without standoffs are integrated and molded with insulation for optimum mechanical security. Features include: maximum insulation coverage to prevent shorting in high shock and vibration environments, a lead-in chamfer for easy device insertion, a closed bottom to prevent solder wicking into contact area, and rigid terminals for accurate installation on PCB.

Andon's Hi-Temp 200°C Transistor Sockets are flame retardant, can handle temperatures that range up to 250°C and are made with high temperature Diallyl Phthalate per MIL-M-14G, Type SDG-F.

SPECIAL FEATURES AND BENEFITS:

- Maximum insulation coverage to prevent shorting in high shock and vibration environments.
- A lead-in chamfer for easy device insertion.
- Closed bottom to prevent solder wicking into contact area.
- Rigid terminals for accurate installation on PCB.
- High Temperature Diallyl Phthalate per MIL-M-14G, Type SDG-F, flame retardant, temperature range up to 250°C.

SPECIFICATIONS

PLATING:
P15:
TERMINAL: GOLD 10µ
CONTACT: GOLD 30µ

INSULATION:
DIALLYL PHTHALATE:
PER MIL-M-14G. TYPE SDG-F
UL RATING: 94V-0

TERMINAL:
BRASS: PER QQ-B-626

CONTACT:
BERYLLIUM COPPER:
PER QQ-C-533

** OTHER PLATINGS AND ALLOYS AVAILABLE INCLUDING BERYLLIUM NICKEL CONTACT*

RESISTANCE:
3.5 milliohms max.
(MIL-STD-1344 Method 3004)

CONTACT RATING: 1 Amp

INSULATION RESISTANCE:
5K megohms min.
(MIL-STD-1344 Method 3003)

DIELECTRIC WITHSTANDING VOLTAGE AT 60 Hz
600V min. (MIL-STD-202 Method 301)

INSERTION FORCE:
9 oz. (avg.) with .018" diameter pin

WITHDRAWAL FORCE:
4 oz. (avg.)with .018" diameter pin

OPERATING TEMPERATURE:
200°C

FLAMMABILITY: UL 94V-0

PART #	FIGURE #	# OF PINS	A	B	C	D	E
H16-03-T01H-P15	1	3	.200	.230	.370	.140	.160
H16-04-T01H-P15	1	4	.200	.230	.370	.140	.160
H16-06-T01H-P15	1	6	.200	.230	.370	.140	.160
H16-08-T01H-P15	1	8	.200	.230	.370	.140	.160
H17-08-T01H-P15	1	8	.230	.230	.370	.140	.160
H17-10-T01H-P15	1	10	.230	.230	.370	.140	.160
H21-12-T01H-P15	1	12	.275	.230	.370	.140	.160
H24-03-T01H-P15	1	3	.100	.160	.230	.140	.160
H24-04-T01H-P15	1	4	.100	.160	.230	.140	.160

PART #	FIGURE #	# OF PINS	A	B	C	D	E	F
H18-08-T03H-P15	2	8	.200	.230	.370	.130	.286	.400
H19-08-T03H-P15	2	8	.230	.230	.370	.130	.286	.400
H19-10-T03H-P15	2	10	.230	.230	.370	.130	.286	.400
H20-12-T03H-P15	2	12	.230	.230	.370	.130	.286	.400
H22-03-T03H-P15	2	3	.100	.160	.230	.172	.255	.150
H22-04-T03H-P15	2	4	.100	.160	.230	.172	.255	.150
H23-03-T03H-P15	2	3	.100	.160	.230	.172	.255	.200
H23-04-T03H-P15	2	4	.100	.160	.230	.172	.255	.200

HI-TEMP SOCKETS

SERIES
H25, H26, H27, H28

200°C TRANSISTOR SOCKETS w/ STANDOFFS

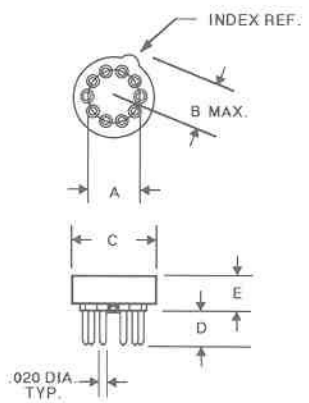


FIGURE 3

Andon's Hi-Temp 200°C Transistor Socket terminal/contact assemblies are integrated and molded with insulation for optimum mechanical security. They are supplied with molded standoffs for maximum soldering visibility. Features include: maximum insulation coverage to prevent shorting in high shock and vibration environments, a lead-in chamfer for easy device insertion, a closed bottom to prevent solder wicking into contact area, and rigid terminals for accurate installation on PCB.

Andon's Hi-Temp 200°C Transistor Sockets are flame retardant, can handle temperatures that range up to 250°C and are made with high temperature Diallyl Phthalate per MIL-M-14G, Type SDG-F.

SPECIAL FEATURES AND BENEFITS:

- Maximum insulation coverage to prevent shorting in high shock and vibration environments.
- A lead-in chamfer for easy device insertion.
- Closed bottom to prevent solder wicking into contact area.
- Rigid terminals for accurate installation on PCB.
- High Temperature Diallyl Phthalate per MIL-M-14G, Type SDG-F, flame retardant, temperature range up to 250°C.
- Molded standoffs for maximum soldering visibility.

SPECIFICATIONS

PLATING:
P15:
TERMINAL: GOLD 10µ
CONTACT: GOLD 30µ

INSULATION:
DIALLYL PHTHALATE:
PER MIL-M-14G. TYPE SDG-F
UL RATING: 94V-0

TERMINAL:
BRASS: PER QQ-B-626

CONTACT:
BERYLLIUM COPPER:
PER QQ-C-533

** OTHER PLATINGS AND ALLOYS AVAILABLE INCLUDING BERYLLIUM NICKEL CONTACT*

RESISTANCE:
3.5 milliohms max.
(MIL-STD-1344 Method 3004)

CONTACT RATING: 1 Amp

INSULATION RESISTANCE:
5K megohms min.
(MIL-STD-1344 Method 3003)

DIELECTRIC WITHSTANDING VOLTAGE AT 60 Hz
600V min. (MIL-STD-202 Method 301)

INSERTION FORCE:
9 oz. (avg.) with .018" diameter pin

WITHDRAWAL FORCE:
4 oz. (avg.)with .018" diameter pin

OPERATING TEMPERATURE:
200°C

FLAMMABILITY: UL 94V-0

PART #	FIGURE #	# OF PINS	A	B	C	D	E
H25-03-T02H-P15	3	3	.200	.230	.370	.140	.185
H25-04-T02H-P15	3	4	.200	.230	.370	.140	.185
H25-06-T02H-P15	3	6	.200	.230	.370	.140	.185
H25-08-T02H-P15	3	8	.200	.230	.370	.140	.185
H26-08-T02H-P15	3	8	.230	.230	.370	.140	.185
H26-10-T02H-P15	3	10	.230	.230	.370	.140	.185
H27-12-T02H-P15	3	12	.275	.230	.370	.140	.185
H28-03-T02H-P15	3	3	.100	.160	.230	.140	.185
H28-04-T02H-P15	3	4	.100	.160	.230	.140	.185

AEC ANDON ELECTRONICS CORPORATION 4 COURT DRIVE, LINCOLN, RI 02865, USA
TEL. (401) 333-0388 / FAX (401) 333-0287

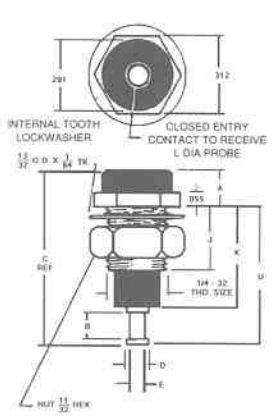
TEST JACKS

SERIES J10, J11, J12, J13, J14

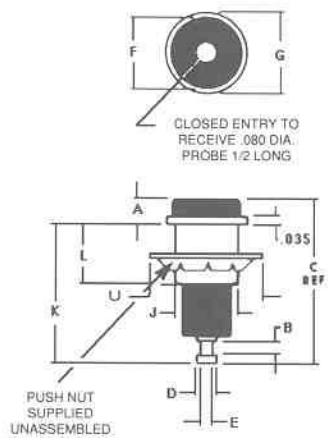
NON-INSULATED & INSULATED

CLOSED ENTRY JACKS

HARDWARE MOUNT

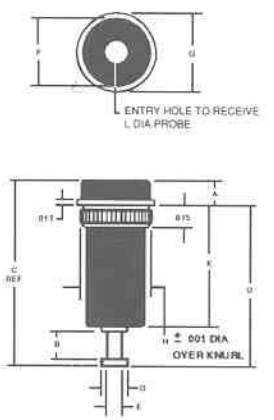


TYPE J10



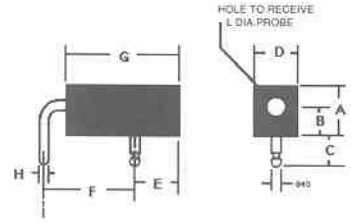
FAST - ON
TYPE J11

PRESSIT™ MOUNT

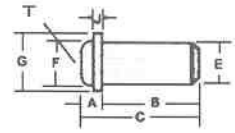


TYPE J12

PCB MOUNT



TYPE J13



NON-INSULATED
TYPE J14

Type J10 - Closed Entry .040 and .080 Military and Commercial

PART #	FLASH OVER VOLT	A	B	C	D	E	F	G	H	J	K	L	U	MTG. HOLE DIA.
J10-1001-P41-X	5000	.250	.130	.953	.100	.070	.281	.312	.250-32	.250	.529	.080	.703	.257

Type J11 - Closed Entry .080 Test Probe

PART #	FLASH OVER VOLT	A	B	C	D	E	F	G	J	K	L	U	MTG. HOLE DIA.
J11-1001-P43-X	3000	.118	.105	.688	.093	.060	.281	.312	.250	.563	.312	.531	.265

Type J12 - Pressit™ Closed Entry .080 Military and Commercial

PART #	FLASH OVER VOLT	A	B	C	D	E	F	G	H	J	K	L	U	MTG. HOLE DIA.
J12-1001-P40-X	3000	.093	.105	.667	.093	.060	.250	.281	.254	.075	.434	.080	.574	.250

Type J13 - Closed Entry .080 Military and Commercial

PART #	FLASH OVER VOLT	A	B	C	D	E	F	G	H	L	MTG. HOLE DIA.
J13-1001-P42-X	–	.230	.130	.130	.190	.200	.400	.531	.040	.080	.045

Type J14 - Closed Entry Non-Insulated

PART #	A	B	C	E	F	G	J	MTG. HOLE DIA	TEST PROBE
J14-1001-P29-X	.036	.200	.236	.085	.092	.125	.020	.089	.040 THRU HOLE

MATERIAL SPECIFICATIONS: Terminal: Brass, 1/2 hard, QQ-B-626; Contact: Beryllium Copper, QQ-C-533; Mounting: Brass, 1/2 hard, QQ-B-626; Insulator: Diallyl Phthalate, MIL-M-14G Type SDG-F

STANDARD PLATINGS: P41 Tin/Gold or P42 Gold/Gold; P43 Tin/Gold or contact factory; P40 Tin/Gold or P44 Gold/Gold; P45 Tin/Gold or P46 Gold/Gold; P29 Tin-Lead/Gold or P27 Gold/Gold

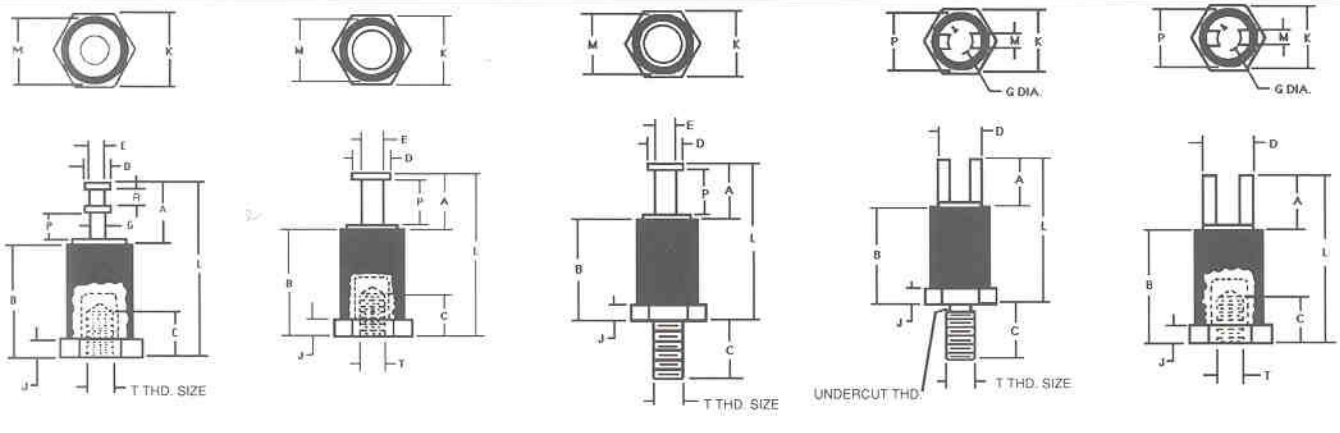
For alternate platings and specifications, see page 64

TERMINALS

SERIES T10, T11, T12, T13, T14

INSULATED STANDOFFS

THREADED



TYPE T10 **TYPE T11** **TYPE T12** **TYPE T13** **TYPE T14**

w/o UNDERCUT THREAD

Type T10 - Double Turret Standoff – Threaded Base

PART #	FLASH OVER VOLT	A	B	C	D	E	G	J	K	L	M	P	R	T
T10-1001-P33-1	10000	.344	.531	.219	.140	.062	.078	.062	.250	.875	.232	.158	.097	4 - 40
T10-1002-P33-1	6000	.156	.234	.078	.072	.050	.050	.046	.156	.391	.146	.055	.046	2 - 56
T10-1003-P33-1	8000	.344	.375	.156	.140	.062	.078	.062	.250	.719	.232	.158	.097	4 - 40
T10-1004-P33-1	8200	.156	.390	.078	.072	.050	.050	.046	.156	.547	.146	.055	.046	2 - 56

Type T11 - Single Turret Standoff – Threaded Base

PART #	FLASH OVER VOLT	A	B	C	D	E	J	K	L	M	P	T
T11-1001-P33-1	8000	.219	.375	.156	.140	.078	.062	.250	.594	.232	.168	4 - 40
T11-1002-P33-1	8000	.219	.375	.156	.140	.078	.062	.250	.594	.232	.168	6 - 32

Type T12 - Single Turret Standoff – Threaded Base

PART #	FLASH OVER VOLT	A	B	C	D	E	J	K	L	M	P	T
T12-1001-P33-1	8000	.219	.375	.219	.140	.078	.062	.250	.594	.232	.168	4 - 40
T12-1002-P33-1	3000	.156	.172	.125	.072	.050	.046	.156	.328	.146	.121	2 - 56
T12-1003-P33-1	8000	.219	.375	.219	.140	.078	.062	.250	.594	.232	.168	4 - 40

Type T13 - Bifurcated Standoff –Threaded Base (w/undercut)

PART #	FLASH OVER VOLT	A	B	C	D	G	J	K	L	M	P_1	T
T13-1001-P33-1	8000	.250	.375	.219	.188	.100	.062	.250	.625	.058	.232	4 - 40
T13-1002-P33-1	8000	.250	.375	.219	.188	.100	.062	.250	.625	.058	.232	6 - 32

Type T14 - Bifurcated Standoff – Threaded Base

PART #	FLASH OVER VOLT	A	B	C	D	G	J	K	L	M	P	T
T14-1001-P33-1	8000	.250	.375	.156	.188	.100	.062	.250	.625	.058	.232	4 - 40
T14-1002-P33-1	12000	.250	.594	.219	.188	.100	.062	.250	.844	.058	.232	4 - 40

MATERIAL SPECIFICATIONS: Terminal: Brass, 1/2 hard, QQ-B-626; Base/Eyelet: Brass, 1/2 hard, QQ-B-626; Insulator: Diallyl Phthalate, MIL-M-14G Type SDG-F

STANDARD PLATINGS: P33 Tin/Cadmium or P34 Tin/Nickel; P35 Gold/Cadmium or P36 Gold/Nickel

For alternate platings and specifications, see page 64

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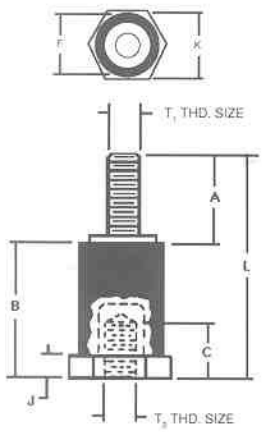
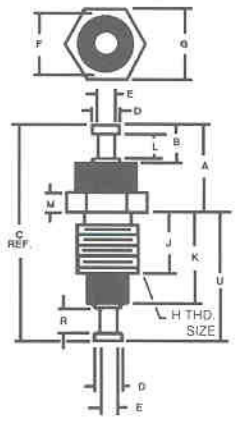
TERMINALS

SERIES T15, T16, T17, T36, T37

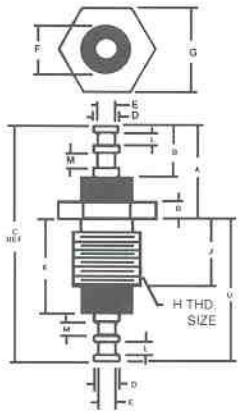
INSULATED STANDOFFS & FEED-THRUS – THREADED



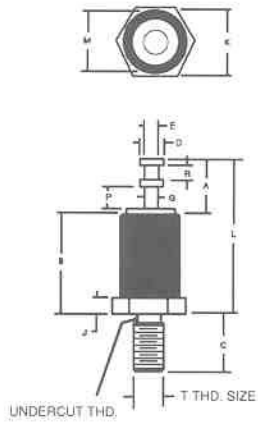
TYPE T15



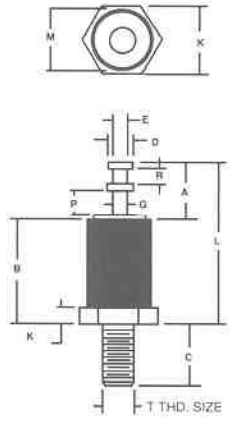
TYPE T16



TYPE T17



TYPE T36



TYPE T37

Type T15 - Threaded Lug & Standoff – Threaded Base

PART #	FLASH OVER VOLT	A	B	C	F	J	K	L	T1	T2
T15-1001-P33-1	12000	.250	.594	.219	.232	.062	.250	.844	6-32	6-32

Type T16 - Single Turret Feed-Thru – Threaded Base (hardware may be ordered separately)

PART #	FLASH OVER VOLT	A	B	C	D	E	F	G	H	J	K	L	M	R	U
T16-1001-P33-1	2500	.272	.169	.669	.080	.050	.187	.219	10 - 32	.187	.280	.077	.063	.077	.397

Type T17 - Double Turret Feed-Thru – Threaded Base (hardware may be ordered separately)

PART #	FLASH OVER VOLT	A	B	C	D	E	F	G	H	J	K	L	M	R	U
T17-1001-P33-1	3500	.344	.187	.875	.092	.062	.187	.312	1/4 - 28	.250	.343	.046	.050	.062	.531

Type T36 - Double Turret Standoff – Threaded Base (with undercut)

PART #	FLASH OVER VOLT	A	B	C	D	E	G	J	K	L	M	P	R	T
T36-1001-P33-1	7000	.219	.266	.188	.094	.049	.049	.062	.250	.484	.232	.094	.062	4 - 40
T36-1002-P33-1	7000	.219	.266	.188	.094	.049	.049	.062	.250	.484	.232	.094	.062	4 - 40
T36-1003-P33-1	6000	.156	.234	.188	.072	.050	.050	.046	.156	.391	.146	.054	.047	2 - 56
T36-1004-P33-1	6000	.156	.234	.250	.072	.050	.050	.046	.156	.391	.146	.054	.047	2 - 56

Type T37 - Double Turret Standoff – Threaded Base

PART #	FLASH OVER VOLT	A	B	C	D	E	G	J	K	L	M	P	R	T
T37-1001-P33-1	8000	.344	.375	.219	.140	.062	.078	.062	.250	.719	.232	.158	.097	6 - 32

MATERIAL SPECIFICATIONS: Terminal: Brass, 1/2 hard, QQ-B-626; Base/Eyelet: Brass, 1/2 hard, QQ-B-626; Insulator: Diallyl Phthalate, MIL-M-14G Type SDG-F

STANDARD PLATINGS: P33 Tin/Cadmium or P34 Tin/Nickel; P35 Gold/Cadmium or P36 Gold/Nickel

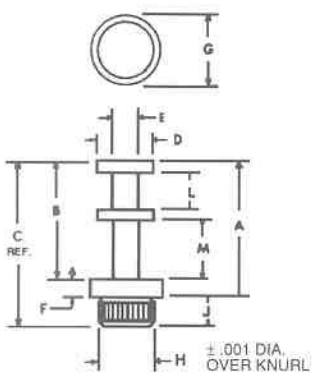
For alternate platings and specifications, see page 64

TERMINALS

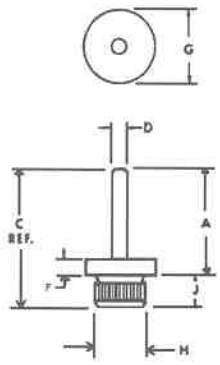
SERIES N10, N11, T18, T19

PRESSIT™ NON-INSULATED & INSULATED STANDOFFS

NON-INSULATED

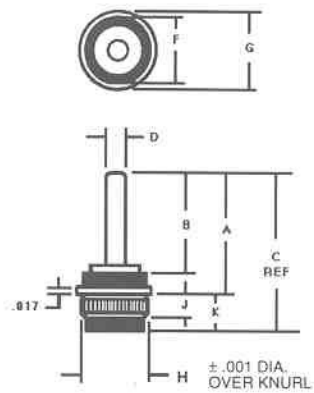


TYPE N10

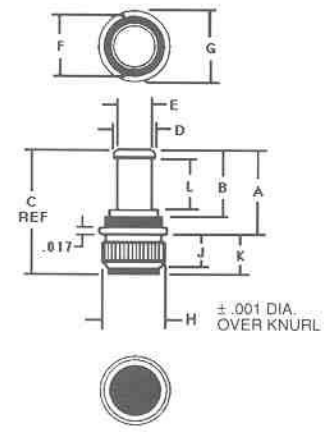


TYPE N11

INSULATED



TYPE T18



TYPE T19

Type N10- Double Turret Standoff – Non-Insulated

PART #	A	B	C	D	E	F	G	H	J	L	M	MTG. HOLE DIA.
N10-1001-T08	.359	.309	.434	.145	.065	.047	.187	.140	.075	.093	.156	.136

Type N11- Straight Pin Standoff – Non-Insulated

PART #	A	C	D	F	G	H	J	MTG. HOLE DIA.
N11-1001-T08	.206	.281	.050	.047	.100	.090	.075	.086

Type T18- Pressit™ Straight Pin Standoff

PART #	FLASH OVER VOLT	A	B	C	D	F	G	H	J	K	MTG. HOLE DIA.
T18-1001-P33-1	1500	.250	.205	.310	.043	.130	.155	.140	.045	.060	.136
T18-1002-P33-1	750	.145	.090	.235	.030	.080	.098	.090	.060	.090	.086
T18-1003-P33-1	1500	.225	.180	.285	.043	.130	.155	.140	.045	.060	.136
T18-1004-P33-1	1500	.250	.205	.325	.043	.130	.155	.140	.060	.075	.136

Type T19- Pressit™ Single Turret Standoff

PART #	FLASH OVER VOLT	A	B	C	D	E	F	G	H	J	K	L	MTG. HOLE DIA.
T19-1001-P33-1	1500	.193	.147	.253	.093	.080	.130	.155	.140	.045	.060	.113	.136
T19-1002-P33-1	2500	.255	.140	.345	.072	.055	.130	.180	.164	.060	.090	.105	.161
T19-1003-P33-1	1000	.135	.090	.195	.090	.060	.130	.156	.140	.045	.060	.075	.136

MATERIAL SPECIFICATIONS: Terminal: Brass, 1/2 hard, QQ-B-626; Base/Eyelet: Brass, 1/2 hard, QQ-B-626; Insulator: Diallyl Phthalate, MIL-M-14G Type SDG-F

STANDARD PLATINGS: P33 Tin/Cadmium or P34 Tin/Nickel; P35 Gold/Cadmium or P36 Gold/Nickel; T08 Tin-Lead or G10 - Gold

For alternate platings and specifications, see page 64

AEC ANDON ELECTRONICS CORPORATION 4 COURT DRIVE, LINCOLN, RI 02865, USA
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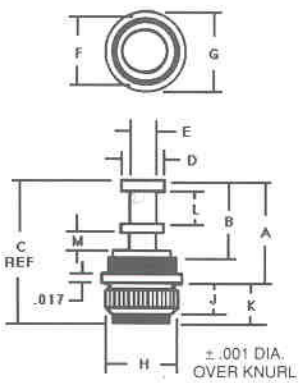
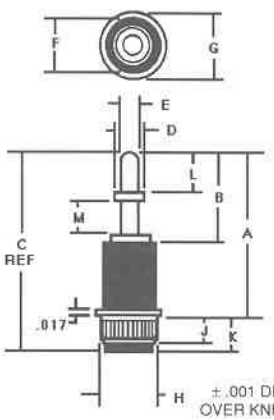
TERMINALS

SERIES T21, T22, T23

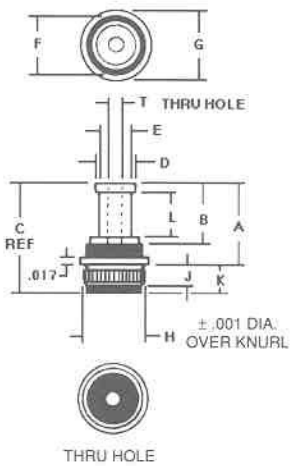
PRESSIT™ INSULATED STANDOFFS



TYPE T21



TYPE T22



TYPE T23

Type T21 - Pressit™ Double Turret Standoff

PART #	FLASH OVER VOLT	A	B	C	D	E	F	G	H	J	K	L	M	MTG. HOLE DIA.
T21-1001-P33-1	1300	.195	.150	.255	.083	.060	.130	.155	.140	.045	.060	.065	.040	.136
T21-1002-P33-1	1300	.151	.105	.211	.070	.045	.130	.155	.140	.045	.060	.040	.020	.136
T21-1003-P33-1	1300	.195	.150	.270	.083	.050	.130	.155	.140	.060	.075	.065	.040	.136
T21-1004-P33-1	1500	.250	.205	.325	.080	.040	.130	.155	.140	.060	.075	.095	.065	.136
T21-1005-P33-1	2000	.457	.250	.562	.093	.050	.157	.187	.160	.075	.105	.093	.097	.156
T21-1006-P33-1	1500	.315	.250	.360	.125	.100	.170	.196	.188	.045	.045	.105	.100	.182
T21-1007-P33-1	1300	.195	.150	.300	.083	.050	.130	.155	.140	.075	.105	.065	.040	.136

Type T22 - Pressit™ Double Turret Standoff

PART #	FLASH OVER VOLT	A	B	C	D	E	F	G	H	J	K	L	M	MTG. HOLE DIA.
T22-1001-P33-1	2000	.457	.250	.562	.093	.050	.157	.187	.160	.075	.105	.113	.097	.156

Type T23 - Pressit™ Single Turret Standoff - Thru Hole

PART #	FLASH OVER VOLT	A	B	C	D	E	F	G	H	J	K	L	T	MTG. HOLE DIA.
T23-1001-P33-1	1500	.171	.125	.231	.093	.060	.130	.156	.140	.045	.060	.091	.030	.136
T23-1002-P33-1	1500	.225	.125	.345	.075	.060	.156	.187	.160	.075	.120	.105	.030	.156
T23-1003-P33-1	1500	.125	.080	.200	.092	.075	.130	.156	.140	.060	.075	.048	.025	.136
T23-1004-P33-1	1300	.120	.077	.180	.083	.060	.130	.156	.140	.045	.060	.060	.031	.136
T23-1005-P33-1	750	.160	.105	.235	.052	.040	.080	.098	.090	.060	.075	.075	.023	.086
T23-1006-P33-1	1300	.170	.125	.217	.093	.060	.130	.156	.140	.045	.050	.108	.023	.136
T23-1007-P33-1	1500	.150	.105	.225	.093	.045	.130	.156	.140	.060	.075	.073	.021	.136
T23-1008-P33-1	1300	.080	.035	.130	.093	.060	.130	.156	.140	.045	.050	.020	.023	.136
T23-1009-P33-1	1500	.171	.126	.230	.088	.060	.130	.156	.140	.045	.060	.091	.030	.136
T23-1010-P33-1	1500	.150	.105	.210	.070	.045	.130	.155	.140	.045	.060	.073	.026	.136

MATERIAL SPECIFICATIONS: Terminal: Brass, 1/2 hard, QQ-B-626; Base/Eyelet: Brass, 1/2 hard, QQ-B-626; Insulator: Diallyl Phthalate, MIL-M-14G Type SDG-F

STANDARD PLATINGS: P33 Tin/Cadmium or P34 Tin/Nickel; P35 Gold/Cadmium or P36 Gold/Nickel

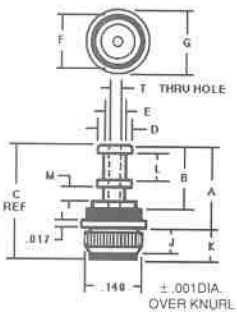
For alternate platings and specifications, see page 64

TERMINALS

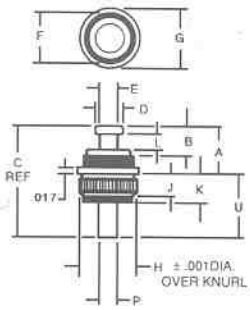
SERIES T24, T25, T26, T27, T28

PRESSIT™ INSULATED

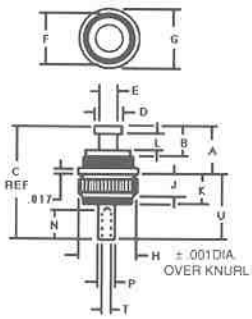
STANDOFFS & FEED-THRUS



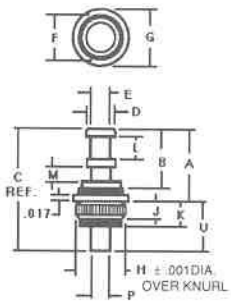
TYPE T24



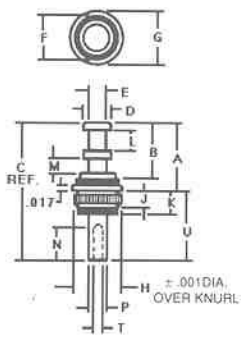
TYPE T25



TYPE T26



TYPE T27



TYPE T28

Type T24 - Pressit™ Double Turret Standoff – Thru Hole

PART #	FLASH OVER VOLT	A	B	C	D	E	F	G	H	J	K	L	M	T	MTG. HOLE DIA.
T24-1001-P33-1	1300	.151	.105	.211	.070	.049	.130	.155	.140	.045	.060	.040	.020	.025	.136
T24-1002-P33-1	1300	.195	.150	.255	.083	.050	.130	.155	.140	.045	.060	.065	.040	.025	.136
T24-1003-P33-1	1300	.151	.105	.211	.070	.049	.130	.155	.140	.045	.060	.040	.020	.035	.136

Type T25 - Pressit™ Single Turret Feed-Thru

PART #	FLASH OVER VOLT	A	B	C	D	E	F	G	H	J	K	L	P	U	MTG. HOLE DIA.
T25-1001-P33-1	1300	.150	.105	.225	.070	.045	.130	.155	.140	.045	.060	.075	.040	.075	.136
T25-1002-P33-1	1300	.150	.090	.350	.072	.045	.130	.155	.140	.060	.075	.070	.040	.200	.136
T25-1003-P33-1	1300	.150	.105	.250	.070	.045	.130	.155	.140	.045	.060	.075	.040	.100	.136
T25-1004-P33-1	1300	.150	.090	.250	.072	.045	.130	.155	.140	.060	.075	.070	.040	.100	.136

Type T26 - Pressit™ Single Turret Feed-Thru/Crimp Hole

PART #	FLASH OVER VOLT	A	B	C	D	E	F	G	H	J	K	L	N	P	T	U	MTG. HOLE DIA.
T26-1001-P33-1	1300	.153	.105	.278	.070	.045	.130	.155	.140	.045	.060	.075	.125	.040	.025	.125	.136
T26-1002-P33-1	1300	.117	.057	.317	.070	.045	.130	.155	.140	.060	.075	.042	.125	.040	.022	.200	.136
T26-1003-P33-1	1300	.150	.090	.350	.070	.045	.130	.155	.140	.060	.075	.070	.093	.040	.025	.200	.136
T26-1004-P33-1	1300	.170	.125	.926	.093	.060	.130	.155	.140	.045	.060	.108	.150	.055	.038	.750	.136

Type T27 - Pressit™ Double Turret Feed-Thru

PART #	FLASH OVER VOLT	A	B	C	D	E	F	G	H	J	K	L	M	P	U	MTG. HOLE DIA.
T27-1001-P33-1	1500	.210	.165	.410	.092	.055	.130	.156	.140	.075	.105	.076	.040	.055	.200	.136
T27-1002-P33-1	1500	.210	.155	.585	.092	.055	.130	.156	.140	.075	.105	.076	.040	.055	.375	.136
T27-1003-P33-1	1500	.245	.165	.620	.092	.055	.156	.187	.160	.075	.120	.055	.055	.047	.375	.156

Type T28 - Pressit™ Double Turret Feed-Thru/Crimp Hole

PART #	FLASH OVER VOLT	A	B	C	D	E	F	G	H	J	K	L	M	N	P	T	U	MTG. HOLE DIA.
T28-1001-P33-1	1500	.210	.165	.585	.092	.055	.130	.155	.140	.075	.105	.076	.040	.156	.055	.034	.375	.136

MATERIAL SPECIFICATIONS: Terminal: Brass, 1/2 hard, QQ-B-626; Base/Eyelet: Brass, 1/2 hard, QQ-B-626; Insulator: Diallyl Phthalate, MIL-M-14G Type SDG-F

STANDARD PLATINGS: P33 Tin/Cadmium or P34 Tin/Nickel; P35 Gold/Cadmium or P36 Gold/Nickel

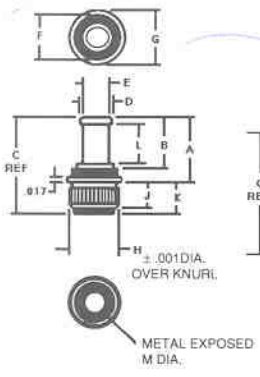
For alternate platings and specifications, see page 64

AEC ANDON ELECTRONICS CORPORATION 4 COURT DRIVE, LINCOLN, RI 02885, USA
TEL. (401) 333-0388 / FAX (401) 333-0287

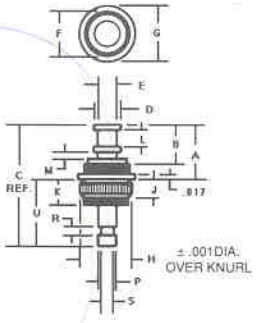
TERMINALS

SERIES
T20, T29, T30, T31, T32

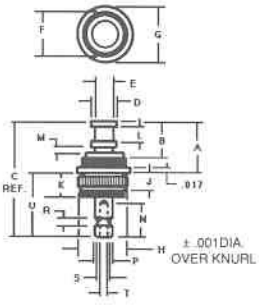
PRESSIT™ INSULATED FEED-THRUS



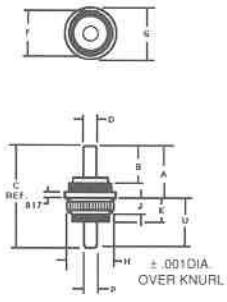
TYPE T20



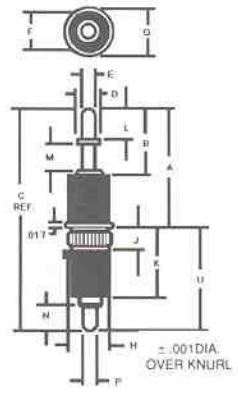
TYPE T29



TYPE T30



TYPE T31



TYPE T32

Type T20 - Pressit™ Single Turret Feed-Thru

PART #	FLASH OVER VOLT	A	B	C	D	E	F	G	H	J	K	L	M	MTG. HOLE DIA.
T20-1001-P33-1	1500	.150	.105	.210	.070	.045	.130	.155	.140	.045	.060	.073	.060	.136
T20-1002-P33-1	750	.117	.105	.250	.052	.040	.080	.098	.090	.060	.070	.075	.035	.086

Type T29 - Pressit™ Double Turret Feed-Thru

PART #	FLASH OVER VOLT	A	B	C	D	E	F	G	H	J	K	L	M	P	R	S	U	MTG. HOLE DIA.
T29-1001-P33-1	1300	.195	.150	.380	.083	.050	.130	.155	.140	.045	.060	.065	.040	.050	.025	.040	.185	.136

Type T30 - Pressit™ Double Turret Feed-Thru/Crimp Hole

PART #	FLASH OVER VOLT	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U	MTG. HOLE DIA.
T30-1001-P33-1	1300	.195	.150	.380	.083	.050	.130	.155	.140	.045	.060	.065	.040	.100	.050	.025	.040	.029	.185	.136

Type T31 - Pressit™ Straight Pin Feed-Thru

PART #	FLASH OVER VOLT	A	B	C	D	F	G	H	J	K	P	U	MTG. HOLE DIA.
T31-1001-P33-1	1500	.250	.205	.515	.040	.130	.156	.140	.075	.105	.040	.265	.136
T31-1002-P33-1	1500	.250	.205	.439	.040	.130	.155	.140	.075	.105	.040	.185	.136

Type T32 - Pressit™ Double Turret Feed-Thru

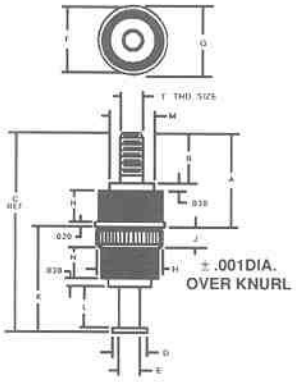
PART #	FLASH OVER VOLT	A	B	C	D	E	F	G	H	J	K	L	M	P	U	MTG. HOLE DIA.
T32-1001-P33-1	2000	.457	.250	.876	.093	.050	.157	.187	.160	.075	.262	.113	.097	.040	.419	.156

MATERIAL SPECIFICATIONS: Terminal: Brass, 1/2 hard, QQ-B-626; Base/Eyelet: Brass, 1/2 hard, QQ-B-626; Insulator: Diallyl Phthalate, MIL-M-14G Type SDG-F
STANDARD PLATINGS: P33 Tin/Cadmium or P34 Tin/Nickel; P35 Gold/Cadmium or P36 Gold/Nickel
For alternate platings and specifications, see page 64

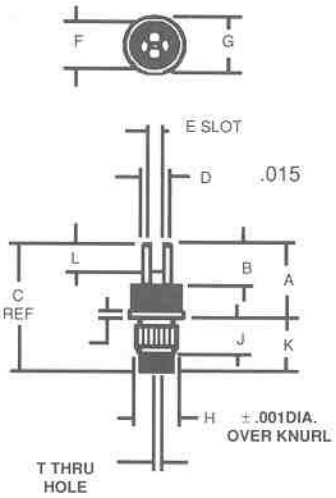
TERMINALS

SERIES T33, T34, T35

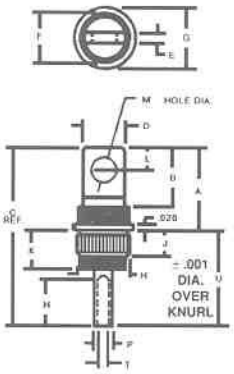
PRESSIT™ INSULATED FEED-THRUS



TYPE T33



TYPE T34



TYPE T35

Type T33 - Pressit™ Threaded Lug Feed-Thru

PART #	FLASH OVER VOLT	A	B	C	D	E	F	G	H	J	K	L	M	N	T	MTG. HOLE DIA.
T33-1001-P33-1	3000	.362	.187	.768	.140	.078	.250	.281	.254	.075	.406	.156	.170	.125	4 - 40	.250

Type T34 - Pressit™ Bifurcated Feed-Thru

PART #	FLASH OVER VOLT	A	B	C	D	E	F	G	H	J	K	L	T	MTG. HOLE DIA.
T34-1001-P33-1	750	.145	.090	.220	.055	.025	.080	.098	.090	.060	.070	.055	.018	.086

Type T35 - Pressit™ Pierced-Hole Feed-Thru/Crimp Hole

PART #	FLASH OVER VOLT	A	B	C	D	E	F	G	H	J	K	L	M	N	P	T	U	MTG. HOLE DIA.
T35-1001-P33-1	1500	.260	.182	.565	.130	.131	.158	.187	.160	.075	.121	.070	.078	.150	.058	.037	.305	.156

MATERIAL SPECIFICATIONS: Terminal: Brass, 1/2 hard, QQ-B-626; Base/Eyelet: Brass, 1/2 hard, QQ-B-626; Insulator: Diallyl Phthalate, MIL-M-14G Type SDG-F
STANDARD PLATINGS: P33 Tin/Cadmium or P34 Tin/Nickel; P35 Gold/Cadmium or P36 Gold/Nickel
For alternate platings and specifications, see page 64

AEC ANDON ELECTRONICS CORPORATION 4 COURT DRIVE, LINCOLN, RI 02865, USA
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PLATINGS

STANDARD DIP SOCKET PLATINGS

– P29: Standard Tin Terminal, Gold Contact
Terminal: Tin .0002" over .000030" Nickel over Copper Flash
Contact: Gold .000010" (Type II) over .000030" Nickel

– P15: Standard Gold Terminal, Gold Contact
Terminal: Gold .000010" (Type II) over .000030" Nickel
Contact: Gold .000030" over .000030" Nickel

– P32: Standard Tin Terminal, Tin Contact
Terminal: Tin .0002" Tin/Lead over .000030" Nickel over Copper Flash
Contact: Tin .0002" Tin/Lead over .000030" Nickel over Copper Flash

OTHER STANDARD PLATINGS WHICH ARE AVAILABLE:

– P17: Tin Terminal, Gold Contact
Terminal: Tin .0002" over .000030" Nickel over Copper Flash
Contact: Gold .000030" over .000030" Nickel

– P13: Gold Terminal, Gold Contact
Terminal: Gold .000020" over .000030" Nickel
Contact: Gold .000030" over .000030" Nickel

– P47: Gold Terminal, Gold Contact per Mil-S-83505
Terminal: Gold .000020" (Type I) over .000030" Nickel
Contact: Gold .000030" (Type I) over .000030" Nickel

– P48: Tin Terminal, Gold Contact per Mil-S-83505; Soldertail
Terminal: Tin/Lead 60%-40%, .000180" over .000030" Nickel
Contact: Gold .000030" (Type I) over .000030" Nickel

– P49: Tin Terminal, Gold Contact per Mil-S-83505; Wire Wrap
Terminal: Tin/Lead 95%-5%, .000180" over .000030" Nickel
Contact: Gold .000030" (Type I) over .000030" Nickel

– P50: Tin Terminal, Tin Contact per Mil-S-83505; Soldertail
Terminal: Tin/Lead 60%-40%, .000180" over .000030" Nickel
Contact: Tin/Lead 95%-5%, .000180" over .000030" Nickel

– P51: Tin Terminal, Tin Contact, per Mil-S-83505; Wire Wrap
Terminal: Tin/Lead 95%-5%, .000180" over .000030" Nickel
Contact: Tin/Lead 95%-5%, .000180" over .000030" Nickel

Additional application specific platings can be provided upon request.

– P29: Terminal: Tin/Lead .0002" over Nickel .000030"
Contact: Gold .00010" (Type II) over Nickel .000030"

– P33: Terminal: Tin .0002" over Nickel .000030"
Base: Cadmium Chromate .0002"

– P34: Terminal: Tin .0002" over Nickel .000030"
Base: Nickel .000030" – .000060"

– P35: Terminal: Gold .000010" over Nickel .000030"
Base: Cadmium Chromate .0002"

– P36: Terminal: Gold .000010" over Nickel .000030"
Contact: Nickel .000030" – .000060"

– P40: Terminal: Tin .0002" over Nickel .000030"
Contact: Gold .000010" over Nickel .000030"
Base: Nickel .000030" – .000060"

– P41: Terminal: Tin .0002" over Nickel .000030"
Contact: Gold .000010" over Nickel .000030"
Base: Nickel .000030" – .000060"
Nut and Lockwasher: Nickel .000030" min.

– P42: Terminal: Gold .000010" over Nickel .000030"
Contact: Gold .000010" over Nickel .000030"
Base: Nickel .000030" – .000060"
Nut and Lockwasher: Nickel .000030" min.

– P43: Terminal: Tin .0002" over Nickel .000030"
Contact: Gold .000010" over Nickel .000030"
Base: Nickel .000030" – .000060"
Lockwasher: Nickel .000030" min.

– T08: Terminal: Tin/Lead .0003" over Copper .0001"

– P44: Terminal: Gold .000010" over Nickel .000030"
Contact: Gold .000010" over Nickel .000030"
Base: Nickel .000030" min.

– P45: Terminal: Tin .0002" over Nickel .000030"
Contact: Gold .000010" over Nickel .000030"
Tab: Tin .0002" over Nickel .000030"

– P46: Terminal: Gold .000010" over Nickel .000030"
Contact: Gold .000010" over Nickel .000030"
Tab: Tin .0002" over Nickel .000030"

MATERIAL SPECIFICATIONS

Alternate Platings

Insulated Standoffs Feed-thru, threaded
P33 Tin/Cadmium or P34 Tin/Nickel
P35 Gold/Cadmium or P36 Gold/Nickel
Type N10 & N11 Pressit™ Non-Insulated
T08 Tin/Lead or G10 - Gold

Pressit™ Insulated Standoff – Feed-thrus
P33 Tin/Cadmium or P34 Tin/Nickel
P35 Gold/Cadmium or P36 Gold/Nickel

Test Jacks
P41 Tin/Gold or P42 Gold/Gold
P43 Tin/Gold or contact factory
P40 Tin/Gold or P44 Gold/Gold
P45 Tin/Gold or P46 Gold/Gold
P29 Tin/Lead-Gold or P27 Gold/Gold

Alternate Platings

Tin	Gold
P41	P42
P40	P44
P45	P46
P29	P27
P33	P35
T08	G10

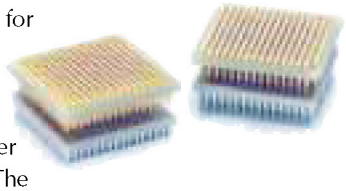
(1) Material Specifications
Terminal: Brass, ½ hard, QQ-B-626
Base/Eyelet: Brass, ½ hard, QQ-B-626
Insulator: Diallyl Phthalate, Mil-M-14G Type SDG-F
((1) The above material spec. applies to all the "T" and "N" series Andon Part Numbers)

(2) Material Specifications
Terminal: Brass, ½ hard, QQ-B-626
Contact: Beryllium Copper, QQ-C-533
Mounting: Brass, ½ hard, QQ-B-626
Insulator: Daillyl Phthalate, Mil-M-14G Type SDG-F
((2) The above material spec. applies to all the "J" series Andon Part Numbers "Closed Entry Jacks")

ANDON
THE INTERCONNECTION SPECIALIST

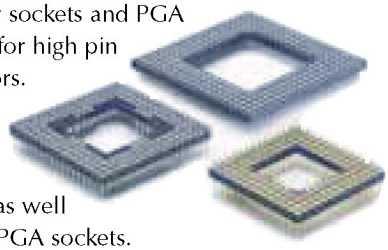
ISO 9001:2000 CERTIFIED
RoHS COMPLIANT

BGA Sockets and Adapters



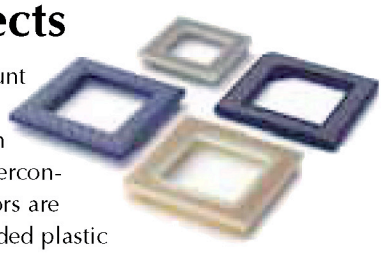
Provide an ideal method for mounting ball grid array devices onto a PCB. The device is soldered to the adapter, simplifying solder verification and testing. The device/adapter assembly then plugs into the BGA socket which is permanently soldered to the PCB.

PGA Sockets and Adapters



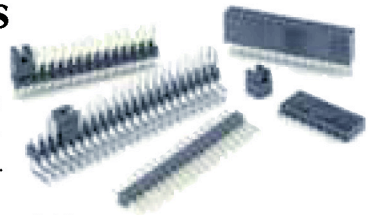
Andon pin grid array sockets and PGA adapters are perfect for high pin count microprocessors. Andon offers the widest selection of standard footprints, from 5x5 to 26x26, as well as custom designed PGA sockets.

IPGA Sockets and Interconnects



Connect high pin count ICs with interstitial footprints with Andon IPGA sockets and interconnects. Socket insulators are made of FR-4 or molded plastic UL94V-O to withstand wave or convection soldering. Precision machined pins offer the lowest possible profile. The closed bottom design eliminates flux and solder contamination.

Jumpers, Pin Headers and Receptacles

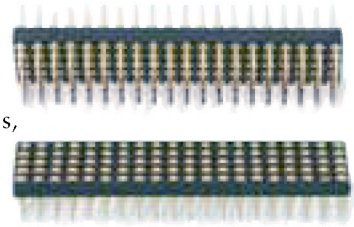


Andon pin headers and receptacle headers provide ideal board-to-board interconnections. Andon pin headers are X/Y stackable, and are available in 2.54 mm, 2 mm and the exclusive 1 mm pitch, with single or dual row, straight or right angle terminals. Standard lengths are up to 50 pin positions (50 x 10 pin positions for 500 pin).

SMD Gull Wing and "J" Lead DIP Sockets

Andon surface mount gull wing and "J" lead DIP sockets are ideally suited for "pick and place." Our gull wing sockets provide maximum strength solder joints as well as easy in-circuit testing.

Board-to-Board Connectors



Stacking boards to any height spacing is made easy with Andon's large choice of terminal lengths, sockets and connectors to mix or match to obtain the required board-to-board spacing. Rugged and reliable, Andon offers a variety of multi-finger contacts to provide the right insertion and withdrawal forces.

WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.

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