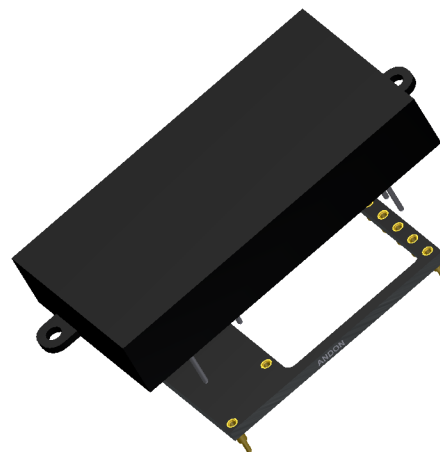
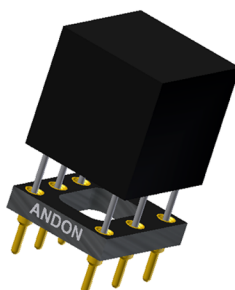
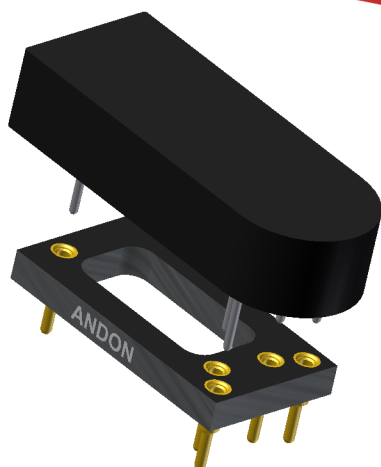




RoHS Compliant

## **CONVERTER SOCKETS FOR THE EMCO CORPORATION**

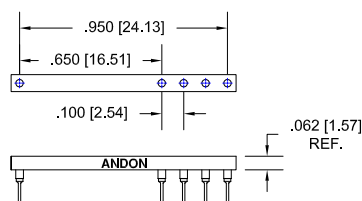


***Largest Line of High Reliability Converter Sockets  
with Andon's Unique Senstac™ Contact***

EMCO High Voltage Sockets						
EMCO High Voltage Model Number	Andon Part Number Replace "XXX" with Terminal Type	Terminal Type		Pin Ø [in]	Figure Number	Page Number
		Thru-Hole	Surface Mount			
A and AH Series (100V-2,000V)	CSP504-05-01-XXX-R27-L14	295V	439V	.030	12	3
A and AH Series (3,000V-5,000V)	CSP713-05-01-XXX-R27-L14	295V	439V	.030	14	3
A and AH Series (6,000)	CSP918-05-01-XXX-R27-L14	295V	439V	.030	16	3
C Series (100V-2000V)	CSP1050-05-01-XXX-R27-L14	295V	439V	.030	17	4
C Series (2500V-4000V)	CSP1350-05-01-XXX-R27-L14	295V	439V	.030	19	4
C Series (5000V-6000V)	CSP850-05-02-XXX-R27-L14	433E	285E	.040	15	3
C Series (8000V)	CSP850-05-02-XXX-R27-L14	433E	285E	.040	15	3
CA Series	CSP1300-08-01-XXX-R27-L14	433E	285E	.040	18	4
CA-T Series	CSP1300-08-01-XXX-R27-L14	433E	285E	.040	18	4
E Series E01CT-E60CT	C10-1222-05-01-XXX-R27-L14	295V	439V	.030	4	2
F Series (F01-F60)	C10-1222-05-01-XXX-R27-L14	295V	439V	.030	4	2
FS Series (with smart features)	CSP1900-08-04-XXX-R27-L14	522EV	523EV	.030/.040	21	4
FS Series (without smart features)	CSP1900-04-02-XXX-R27-L14	433E	285E	.040	20	4
G Series G01CT-G20CT	C10-13522-05-01-XXX-R27-L14	295V	439V	.030	6	2
G Series G01-G40, GPMT	C10-13522-04-01-XXX-R27-L14	295V	439V	.030	5	2
G Series G25CT-G60CT	C10-13526-05-01-XXX-R27-L14	295V	439V	.030	8	2
G Series G50-G60	C10-13526-04-01-XXX-R27-L14	295V	439V	.030	7	2
H Series Case A	CSP1900-05-04-XXX-R27-L14	433E	285E	.040	22	5
H Series Case B	CSP2750-06-02-XXX-R27-L14	433E	285E	.040	25	5
L Series Case A	C10-1222-04-01-XXX-R27-L14	295V	439V	.030	3	2
L Series Case B	CSP2100-04-01-XXX-R27-L14	295V	439V	.030	24	5
Q Series (100V-1,000)	CSP350-04-01-XXX-R27-L14	01S	93S	.018	9	3
Q Series (1,500V-5,000)	CSP375-04-01-XXX-R27-L14	01S	93S	.018	11	3
Q and QH Series (100V-2,000V)	CSP350-06-01-XXX-R27-L14	295V	439V	.030	10	3
Q and QH Series (2,500V-5,000V)	CSP540-05-01-XXX-R27-L14	01S	93S	.018	13	3
SIP Series SIP90	C50-20-05-01-XXX-R27-L14	400T4	414T4	.012	1	1
SIP Series SIP100	C10-13-05-01-XXX-R27-L14	400T14	414T4	.012	2	1
UPL Series	CSP1905-08-01-XXX-R27-L14	433E	285E	.040	23	5

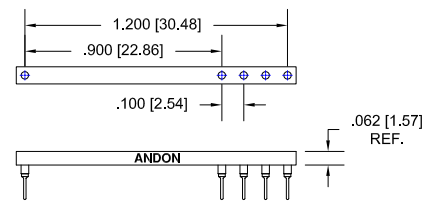
Top View Shown  
Units: in [mm]

Surface Mount Terminals  
also can be used for  
Low Profile and Ultra Low Profile



**Fig. 1**

Thru-Hole: C050-20-05-01-400T4-R27-L14  
Surface Mount: C050-20-05-01-414T4-R27-L14

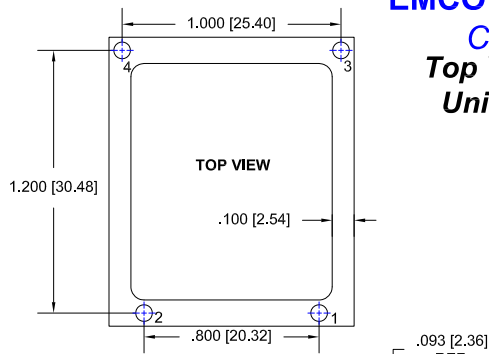


**Fig. 2**

Thru-Hole: C10-13-05-01-400T4-R27-L14  
Surface Mount: C10-13-05-01-414T4-R27-L14

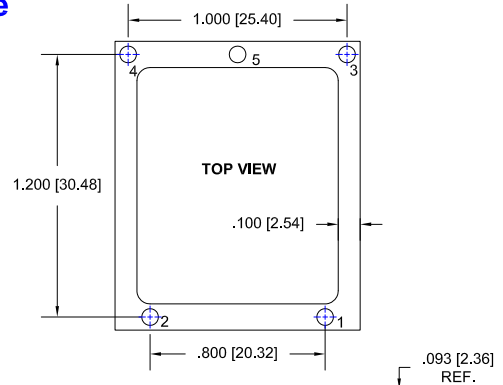
## EMCO High Voltage

*Continued*  
Top View Shown  
Units: in [mm]



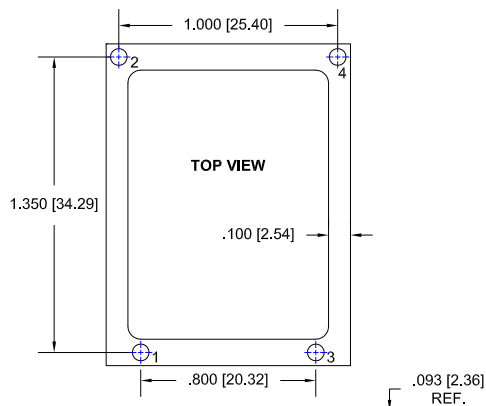
**Fig. 3**

Thru-Hole: C10-1222-04-01-295V-R27-L14  
Surface Mount: C10-1222-04-01-439V-R27-L14



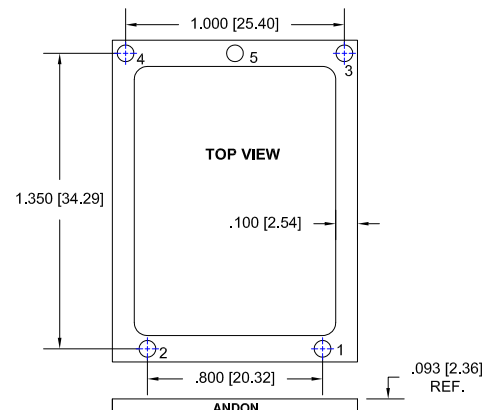
**Fig. 4**

Thru-Hole: C10-1222-05-01-295V-R27-L14  
Surface Mount: C10-1222-05-01-439V-R27-L14



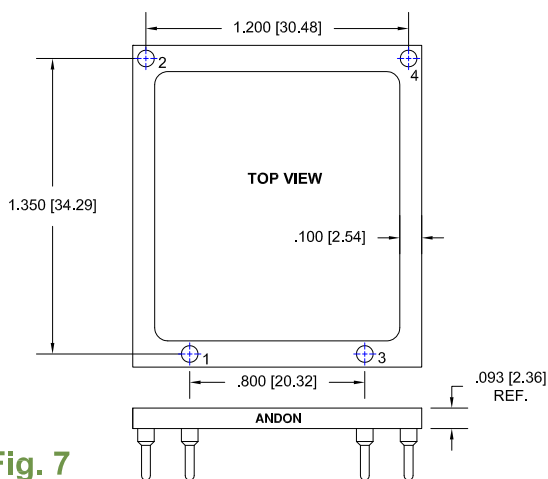
**Fig. 5**

Thru-Hole: C10-13522-04-01-295V-R27-L14  
Surface Mount: C10-13522-04-01-439V-R27-L14



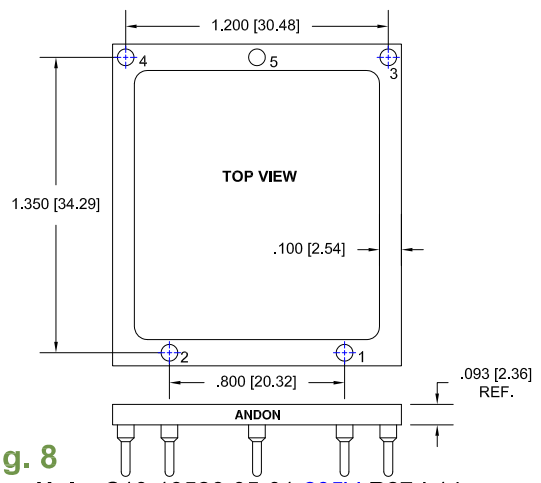
**Fig. 6**

Thru-Hole: C10-13522-05-01-295V-R27-L14  
Surface Mount: C10-13522-05-01-439V-R27-L14



**Fig. 7**

Thru-Hole: C10-13526-04-01-295V-R27-L14  
Surface Mount: C10-13526-04-01-439V-R27-L14

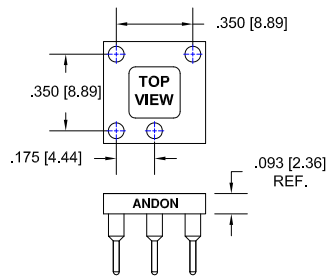


**Fig. 8**

Thru-Hole: C10-13526-05-01-295V-R27-L14  
Surface Mount: C10-13526-05-01-439V-R27-L14

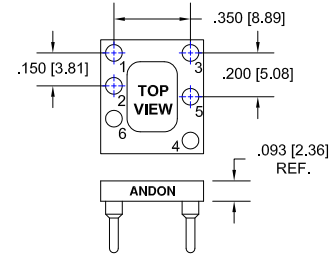
## EMCO High Voltage

*Continued*  
**Top View Shown**  
**Units: in [mm]**



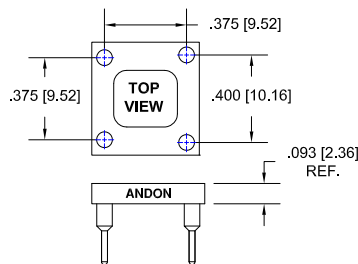
**Fig. 9**

**Thru-Hole:** CSP350-04-01-01S-R27-L14  
**Surface Mount:** CSP350-04-01-93S-R27-L14



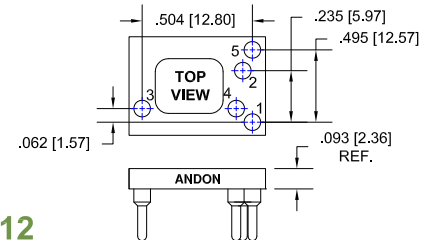
**Fig. 10**

**Thru-Hole:** CSP350-06-01-295V-R27-L14  
**Surface Mount:** CSP350-06-01-439V-R27-L14



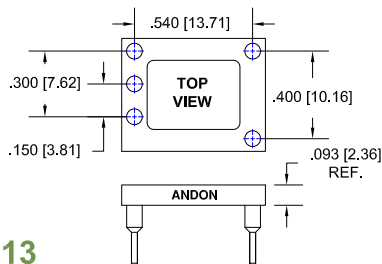
**Fig. 11**

**Thru-Hole:** CSP375-04-01-01S-R27-L14  
**Surface Mount:** CSP375-04-01-93S-R27-L14



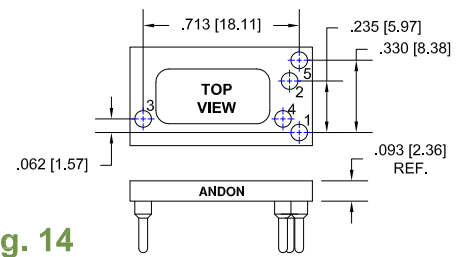
**Fig. 12**

**Thru-Hole:** CSP504-05-01-295V-R27-L14  
**Surface Mount:** CSP504-05-01-439V-R27-L14



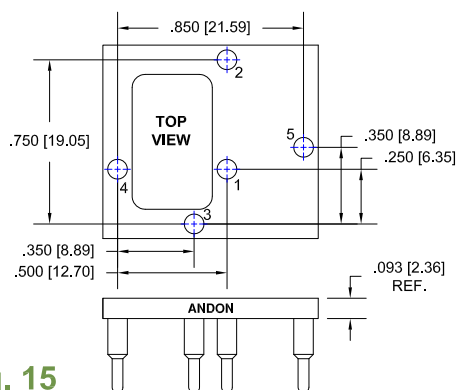
**Fig. 13**

**Thru-Hole:** CSP540-05-01-01S-R27-L14  
**Surface Mount:** CSP540-05-01-93S-R27-L14



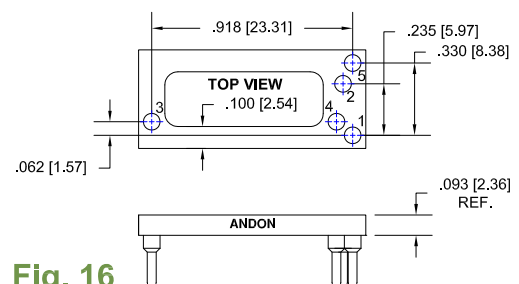
**Fig. 14**

**Thru-Hole:** CSP713-05-01-295V-R27-L14  
**Surface Mount:** CSP713-05-01-439V-R27-L14



**Fig. 15**

**Thru-Hole:** CSP850-05-02-433E-R27-L14  
**Surface Mount:** CSP850-05-02-285E-R27-L14

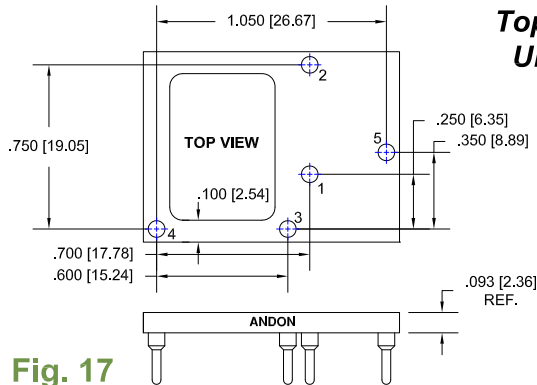


**Fig. 16**

**Thru-Hole:** CSP918-05-01-295V-R27-L14  
**Surface Mount:** CSP918-05-01-439V-R27-L14

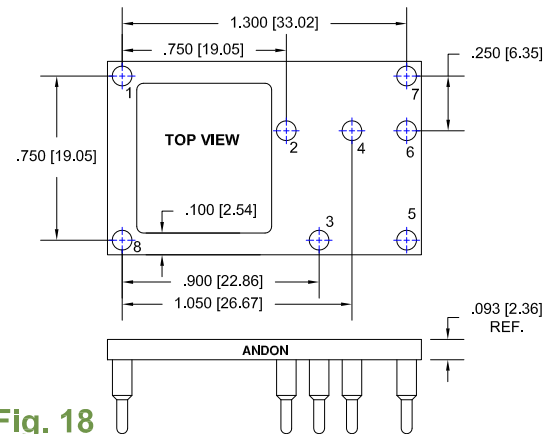
## EMCO High Voltage

*Continued*  
**Top View Shown**  
**Units: in [mm]**



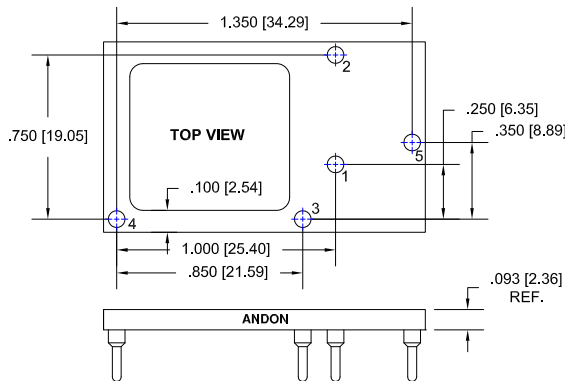
**Fig. 17**

**Thru-Hole:** CSP1050-05-01-**295V**-R27-L14  
**Surface Mount:** CSP1050-05-01-**439V**-R27-L14



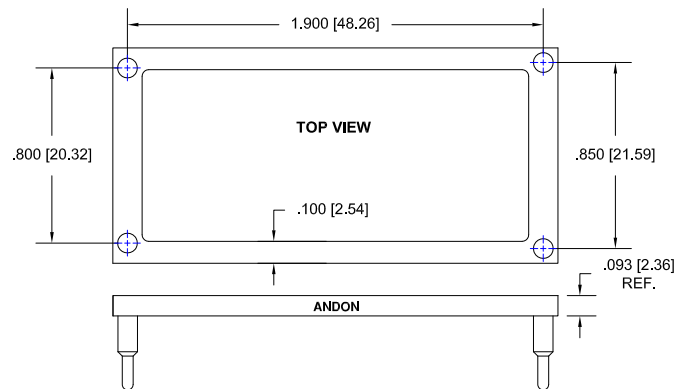
**Fig. 18**

**Thru-Hole:** CSP1300-08-01-**433E**-R27-L14  
**Surface Mount:** CSP1300-08-01-**285E**-R27-L14



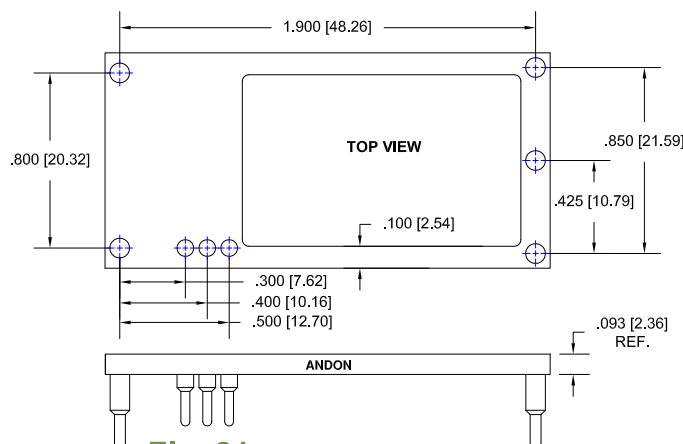
**Fig. 19**

**Thru-Hole:** CSP1350-05-01-**295V**-R27-L14  
**Surface Mount:** CSP1350-05-01-**439V**-R27-L14



**Fig. 20**

**Thru-Hole:** CSP1900-04-02-**433E**-R27-L14  
**Surface Mount:** CSP1900-04-02-**285E**-R27-L14



**Fig. 21**

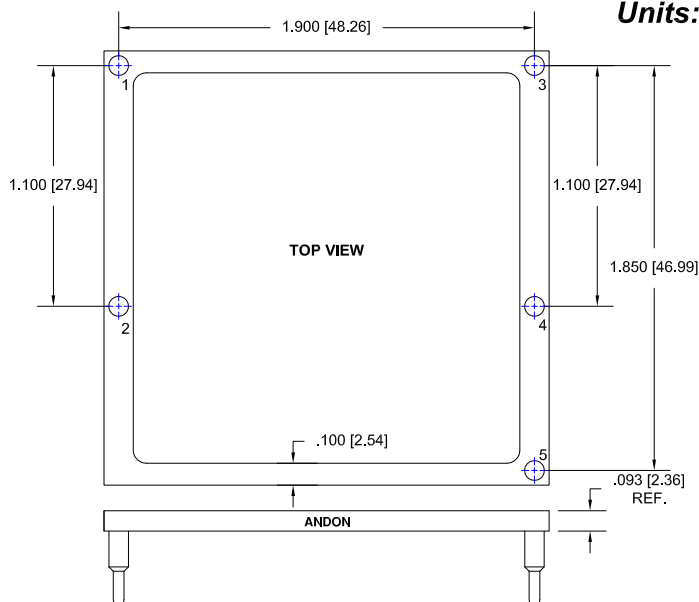
**Thru-Hole:** CSP1900-08-04-**522VE**-R27-L14  
**Surface Mount:** CSP1900-08-04-**523VE**-R27-L14

## EMCO High Voltage

Continued

Top View Shown

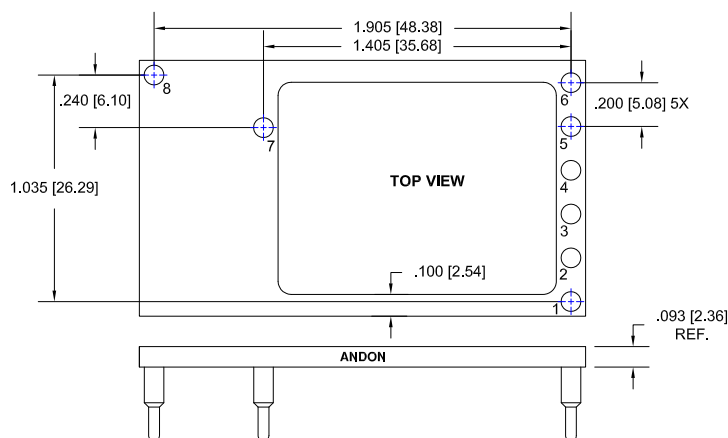
Units: in [mm]



**Fig. 22**

Thru-Hole: CSP1900-05-04-433E-R27-L14

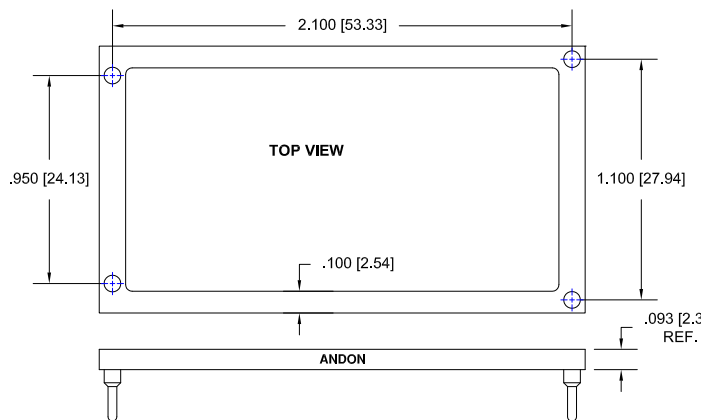
Surface Mount: CSP1900-05-04-285E-R27-L14



**Fig. 23**

Thru-Hole: CSP1905-08-01-433E-R27-L14

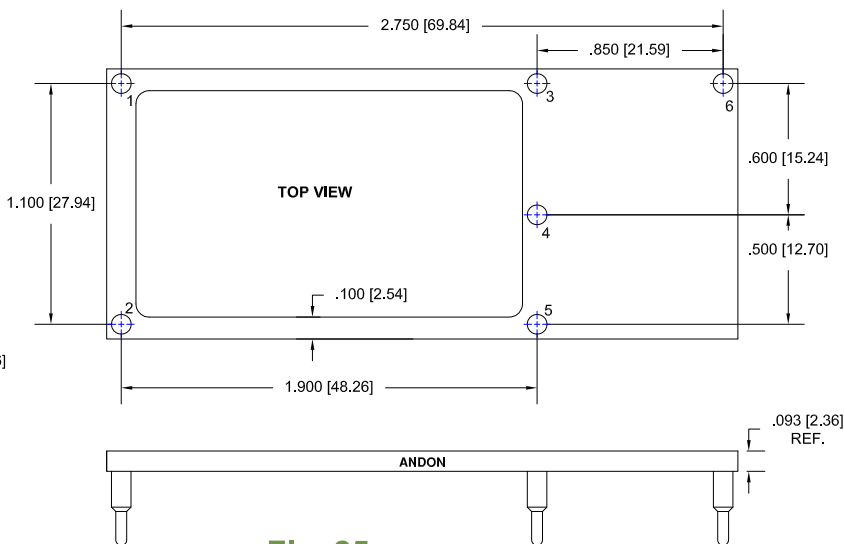
Surface Mount: CSP1905-08-01-285E-R27-L14



**Fig. 24**

Thru-Hole: CSP2100-04-01-295V-R27-L14

Surface Mount: CSP2100-04-01-439V-R27-L14



**Fig. 25**

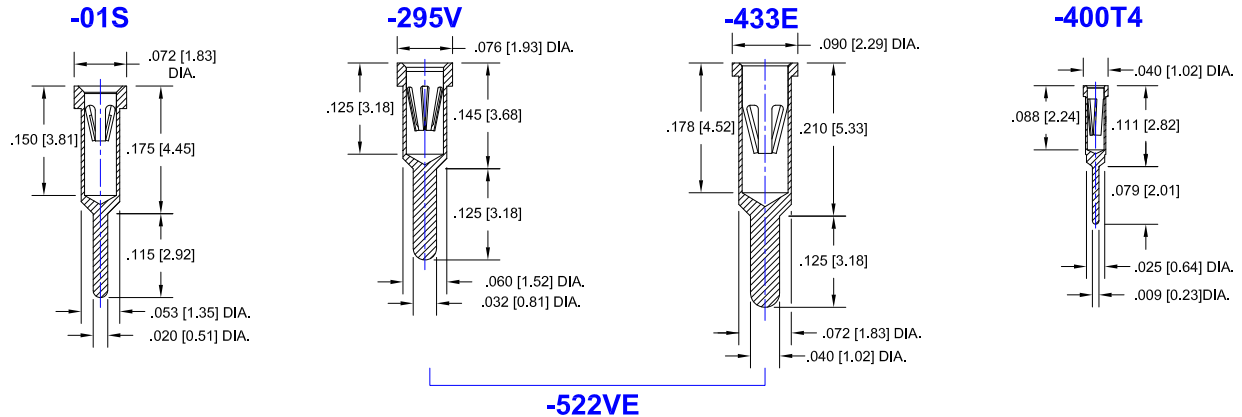
Thru-Hole: CSP2750-06-02-433E-R27-L14

Surface Mount: CSP2750-06-02-285E-R27-L14

## EMCO High Voltage *Continued*

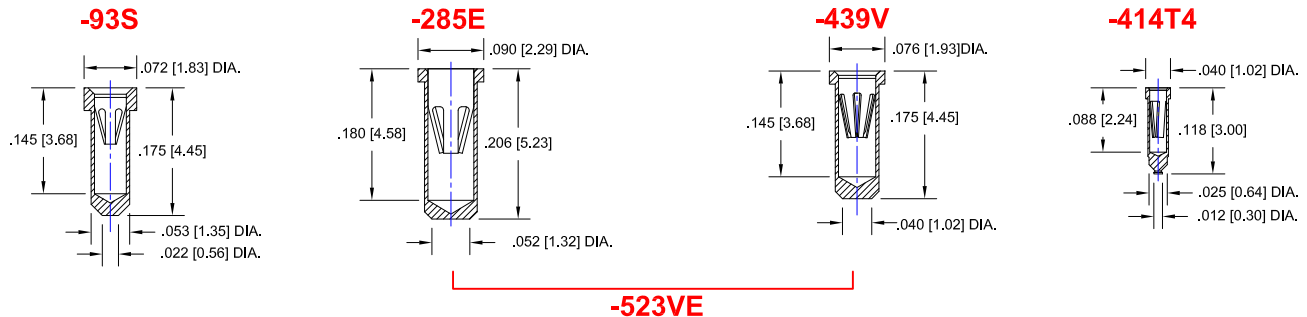
### Socket Terminal Details Cross Section View Shown Units: in [mm] Other Terminal Layouts and Configurations available

#### THRU-HOLE OPTION



### Socket Terminal Details Cross Section View Shown Units: in [mm] Other Terminal Layouts and Configurations available

#### SURFACE MOUNT OPTION



#### 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

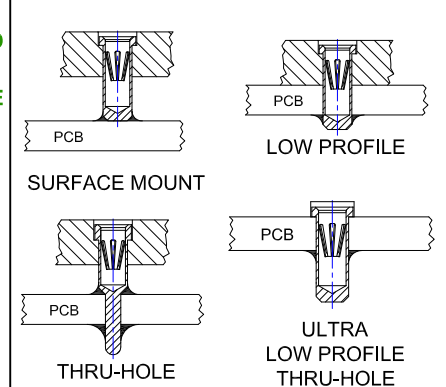
R17 TERMINAL: TIN / CONTACT: GOLD

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
-400T4	Ø.012 [Ø0.30]	1.10 oz Max	0.3 oz Min	-414T4	Ø.012 [Ø0.30]	1.1 oz Max	0.3 oz Min
-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
-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

#### MOUNTING OPTIONS



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"ANDON PROPRIETARY INFORMATION"

RoHS Compliant

\*Sockets are not drawn to scale EMCO High Voltage 12/26/2017

**ANDON ELECTRONICS CORPORATION**  
 4 Court Drive, Lincoln RI 02865, United States of America

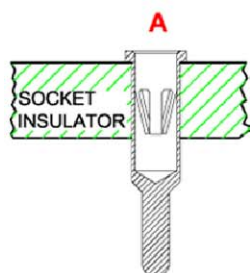
[www.andonelectronics.com](http://www.andonelectronics.com) or [www.andonelect.com](http://www.andonelect.com)

Phone 401-333-0388 Fax 401-333-0287

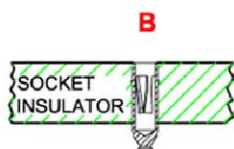
Email [Info@andonelect.com](mailto:Info@andonelect.com)



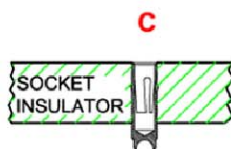
## Mounting Options



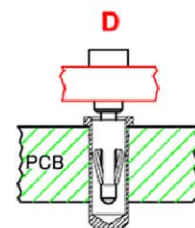
**THRU-HOLE**



**SMD-FLAT FOOT**



**ROLLERBALL**



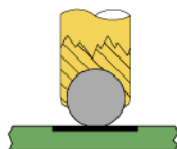
PCB FOR THRU-HOLE  
INSULATOR FOR SMD

**CARRIER  
WITH OR WITHOUT  
SOLDER  
WASHER**



**PIN SOCKET  
BULK  
WITH OR WITHOUT  
SOLDER  
WASHER**

### ROLLERBALL® SOCKET



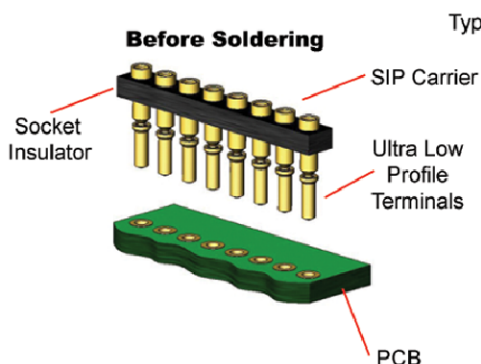
**BEFORE SOLDERING**

### ROLLERBALL® SOCKET

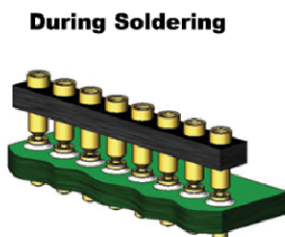


**AFTER SOLDERING**

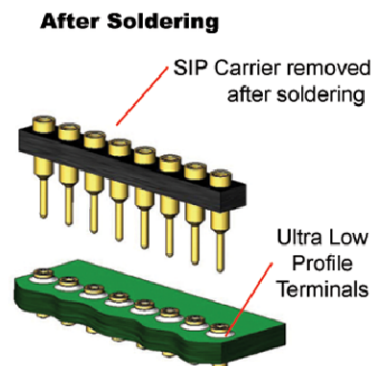
## ULTRA LOW PROFILE SIP/DIP/PGA CARRIER ASSEMBLY



Type D



**During Soldering**



**After Soldering**

Available with or without solder washer