



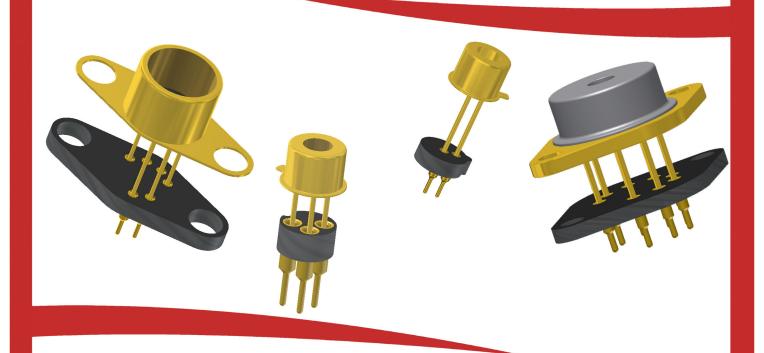




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OPTOELECTRONIC SOCKETS FOR



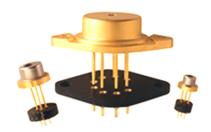


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Optoelectronic Sockets

High reliability sockets that will cost effectively:
Protect
Test
Assemble
and
Enable Replacing of Opto Devices

•Solder sockets on the PCB
•Plug-in sensors after assembly
•Eliminate ESD from handling
•Eliminate damage from soldering temperatures
•Elminate damage from cleaning solvents
•Avoid cracking the glass seal
•Reduce shock damage to wire bonds

Customers will appreciate knowing that there are ANDON sockets available

Producers of optoelectronic devices may list ANDON on their engineering drawings and website to assist their customers in design engineering.

Distributors have an opportunity to increase their revenue by selling ANDON sockets with the sales of their optoelectronic devices.

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PALTRON ELECTRONICS Ander Port Number Terminal Type Bin & Figure Porce									
RALTRON ELECTRONICS Model Number	Andon Part Number Replace "XXX" with Terminal Type	Thru-Hole Surface Mount		Pin Ø [in]	Figure Number	Page Number			
TYPE AS (HC-49/S)	CSP192-02-01-XXX-R27-L14	01S	93S	.018	19	6			
TYPE AS 3PIN (HC-49/S)	CSP192-03-01-XXX-R27-L14	01S	93 S	.018	21	6			
UM-5	C15-02-02-04-XXX-R27-L14	01S	93 S	.018	20	6			
UM-4	C15-02-02-04-XXX-R27-L14	01S	93S	.018	20	6			
TYPE A (HC-49/U)	CSP192-02-01-XXX-R27-L14	01S	93S	.018	19	6			
TYPE B (HC-51/U)	C486-002-02-01-XXX-R27-L14	295V	439V	.030	22	6			
TYPE C (UM-1)	C15-02-02-04-XXX-R27-L14	01S	93 S	.018	20	6			
3 LEAD BASE OPTION 3PIN	CSP192-03-01-01S-R27-L14	01S	93 S	.018	21	6			
10H8D	CSP1260-06-01-XXX-R27-L14	295V	439V	.030	23	6			
2148D	CSP1260-06-01-XXX-R27-L14	295V	439V	.030	23	6			
10H12D	CSP1260-06-01-XXX-R27-L14	295V	439V	.030	23	6			
10H15D	CSP1260-06-01-XXX-R27-L14	295V	439V	.030	23	6			
21H15D	CSP1260-06-01-XXX-R27-L14	295V	439V	.030	23	6			
10H30D	CSP1260-06-01-XXX-R27-L14	295V	439V	.030	23	6			
21H30D	CSP1260-06-01-XXX-R27-L14	295V	439V	.030	23	6			
10T8D	CSP598-02-01-XXX-R27-L14	295V	439V	.030	24	6			
21T8D	CSP598-02-01-XXX-R27-L14	295V	439V	.030	24	6			
10T12D	CSP598-02-01-XXX-R27-L14	295V 295V	439V 439V	.030	24	6			
21T12D	CSP598-02-01-XXX-R27-L14	295V	439V	.030	24	6			
10T15D	CSP598-02-01-XXX-R27-L14	295V	439V	.030	24	6			
21T15D	CSP598-02-01-XXX-R27-L14	295V	439V	.030	24	6			
21T30D	CSP598-02-01-XXX-R27-L14	295V	439V	.030	24	6			
10T30D	CSP598-02-01-XXX-R27-L14	295V	439V	.030	24	6			
10M15A	CSP192-03-01-XXX-R27-L14	01S	93S	.018	21	6			
10M30A	CSP192-03-01-XXX-R27-L14	01S	93S	.018	21	6			
10M7A	CSP192-03-01-XXX-R27-L14	01S	93S	.018	21	6			
21U8A	CSP148-03-01-XXX-R27-L14	400T4	414T4	.012	25	7			
21U12A	CSP148-03-01-XXX-R27-L14	400T4	414T4	.012	25	7			
21U15A	CSP148-03-01-XXX-R27-L14	400T4	414T4	.012	25	7			
21U30	CSP148-03-01-XXX-R27-L14	400T4	414T4	.012	25	7			
10MBC	CSP354-04-01-XXX-R27-L14	01S	93S	.018	27	7			
10M12C	CSP354-04-01-XXX-R27-L14	01S	93S	.018	27	7			
10M15C	CSP354-04-01-XXX-R27-L14	01S	93S	.018	27	7			
10M30C	CSP354-04-01-XXX-R27-L14	01S	93S	.018	27	7			
10M8D	CSP354-04-01-XXX-R27-L14	01S	93S	.018	27	7			
10M8E	CSP354-04-01-XXX-R27-L14	01S	938	.018	27	7			
10M12D	CSP354-04-01-XXX-R27-L14	01S	938	.018	27	7			
10M15D	CSP354-04-01-XXX-R27-L14	01S	93S	.018	27	7			
10M15E	CSP354-04-01-XXX-R27-L14	018	93S	.018	27	7			
	CSP354-04-01-XXX-R27-L14	01S	93S	.018	27	7			
10M30D					26	7			
21UBC	CSP386-04-01-XXX-R27-L14	018	93S	.018		_			
21U8D	CSP386-04-01-XXX-R27-L14	018	938	.018	26	7			
21UBE	CSP386-04-01-XXX-R27-L14	018	93S	.018	26	7			
21U12C	CSP386-04-01-XXX-R27-L14	018	93S	.018	26	7			
21U12D	CSP386-04-01-XXX-R27-L14	01S	93 S	.018	26	7			
21U12E	CSP386-04-01-XXX-R27-L14	018	93S	.018	26	7			
21U15C	CSP386-04-01-XXX-R27-L14	01S	93 S	.018	26	7			
21U15D	CSP386-04-01-XXX-R27-L14	01S	93 S	.018	26	7			
21U15E	CSP386-04-01-XXX-R27-L14	01S	93S	.018	26	7			
21U30C	CSP386-04-01-XXX-R27-L14	01S	93S	.018	26	7			
21U30D	CSP386-04-01-XXX-R27-L14	01S	93S	.018	26	7			
0X3000	C10-1014-05-02-XXX-R27-L14	295V	439V	.030	28	7			
0X8000	C10-7524-05-01-XXX-R27-L14	295V	439V	.030	15	5			
0X5100	CSP590-05-01-XXX-R27-L14	01S	938	.018	16	5			
0X4000	CSP1360-05-01-XXX-R27-L14	295V	439V	.030	17	5			

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DAL TRONE C' COTROLIGO	RALTRON ELECTRONIC	Termina	I Type	n. ~	F:	_
RALTRON ELECTRONICS Model Number	Andon Part Number Replace "XXX" with Terminal Type	Thru-Hole Surface Mount		Pin Ø [in]	Figure Number	Page Number
VC72	C10-314-04-01-XXX-R27-L14	01S	93S	.018	18	5
VC74	C10-314-04-01-XXX-R27-L14	01S	93S	.018	18	5
OX6749	C10-1514-07-03-XXX-R27-L14	433E	285E	.040	1	3
TX146	CSP590-05-02-XXX-R27-L14	295V	439V	.030	2	3
TV146	CSP590-05-02-XXX-R27-L14	295V	439V	.030	2	3
TX048	C10-716-04-01-XXX-R27-L14	295V	439V	.030	3	3
TV048	C10-716-04-01-XXX-R27-L14	295V	439V	.030	3	3
VH6131 SERIES	CSP1360-05-01-XXX-R27-L14	295V	439V	.030	17	5
CX21	C10-308-04-03-XXX-R27-L14	01S	93S	.018	4	3
CX22	C10-308-04-03-XXX-R27-L14	01S	93S	.018	4	3
CX23	C10-308-04-03-XXX-R27-L14	01S	93S	.018	4	3
CO-13	C10-308-04-03-XXX-R27-L14	01S	93S	.018	4	3
CO-19	C10-308-04-03-XXX-R27-L14	01S	93S	.018	4	3
CO-12	C10-308-04-03-XXX-R27-L14	01S	93S	.018	4	3
TX100	C10-1020-04-01-XXX-R27-L14	295V	439V	.030	5	3
TV100	C10-1020-04-01-XXX-R27-L14	295V	439V	.030	5	3
SY10	C10-1634-34-01-XXX-R27-L14	295V	439V	.030	7	4
SY15-S3	C10-1634-34-01-XXX-R27-L14	295V	439V	.030	7	4
SY0F-HF	C10-1634-34-01-XXX-R27-L14	295V	439V	.030	7	4
SY0F-HLPL	C10-1828-28-01-XXX-R27-L14	295V	439V	.030	6	3
RSR-K	R200-0403-03T-XXX-R27-L14	01S	938	.018	10	4
RSR-D	C10-004-04-01-XXX-R27-L14	01S	93S	.018	9	4
RSR-S	C10-004-04-02-XXX-R27-L14	01D	93D	.025	11	4
RSR-B	C10-005-04-01-XXX-R27-L14	01D	93D	.025	8	4
RTX-231	CSP591-03-01-XXX-R27-L14	01S	938	.018	12	4
RTV-231	CSP591-03-01-XXX-R27-L14	01S	93S	.018	12	4
RTX-781	CSP612-03-01-XXX-R27-L14	01S	93S	.018	29	7
TU/TY-045	C10-314-06-03-XXX-R27-L14	01S	93S	.018	13	5
SY-0001B	C20-1618-18-01-XXX-R27-L14	433E	285E	.040	14	5
SY01-S3F	C20-1618-18-01-XXX-R27-L14	433E	285E	.040	14	5
SY01-S3	C20-1618-18-01-XXX-R27-L14	433E	285E	.040	14	5
OX2000	C10-314-04-01-XXX-R27-L14	01S	93S	.018	18	5
TX 045	C10-314-04-01-XXX-R27-L14	01S	93S	.018	18	5
TV045	C10-314-04-01-XXX-R27-L14	01S	93S	.018	18	5
CX71	C10-314-04-01-XXX-R27-L14	01S	93S	.018	18	5
CX72	C10-314-04-01-XXX-R27-L14	01S	93S	.018	18	5
CX73	C10-314-04-01-XXX-R27-L14	01S	93S	.018	18	5
CO1	C10-314-04-01-XXX-R27-L14	01S	93S	.018	18	5
CO15	C10-314-04-01-XXX-R27-L14	01S	93S	.018	18	5
CO6	C10-314-04-01-XXX-R27-L14	01S	93S	.018	18	5

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RALTRON ELECTRONICS Continued

Socket Terminal Details

Cross Section View Shown Units: in [mm]

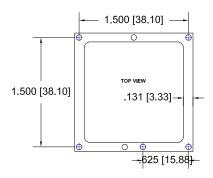


Fig.1

Thru-Hole: C10-1514-07-03-433E-R27-L14 Surface Mount: C10-1514-07-03-285E-R27-L14

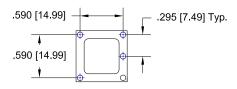


Fig.2

Thru-Hole: CSP590-05-02-295V-R27-L14 Surface Mount: CSP590-05-02-439V-R27-L14

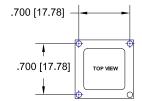


Fig.3

Thru-Hole: C10-716-04-01-295V-R27-L14 Surface Mount: C10-716-04-01-439V-R27-L14

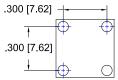


Fig.4

Thru-Hole: C10-308-04-03-01S-R27-L14 Surface Mount: C10-308-04-03-93S-R27-L14

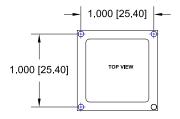


Fig.5

Thru-Hole: C10-1020-04-01-295V-R27-L14 Surface Mount: C10-1020-04-01-439V-R27-L14

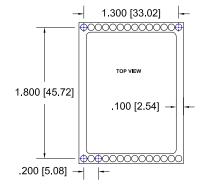


Fig.6

Thru-Hole: C10-1828-28-01-01S-R27-L14 Surface Mount; C10-1828-28-01-93S-R27-L14

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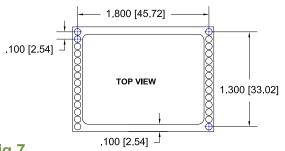
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Ø.325 [Ø8.26]

RALTRON ELECTRONICS Continued

Socket Terminal Details

Cross Section View Shown Units: in [mm]



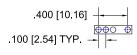


Fig.7

Thru-Hole: C10-1634-34-01-01S-R27-L14 Surface Mount: C10-1634-34-01-93S-R27-L14 Fig.8

Thru-Hole: C10-005-04-01-01D-R27-L14 Surface Mount: C10-005-04-01-93D-R27-L14

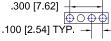


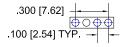
Fig.10

Ø.200 [Ø5.08] Pin Circle

Thru-Hole: R200-0403-03T-01S-R27-L14 Surface Mount: R200-0403-03T-93S-R27-L14



Thru-Hole: C10-004-04-01-01S-R27-L14 Surface Mount: C10-004-04-01-93S-R27-L14



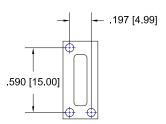


Fig.11

Thru-Hole: C10-004-04-02-01D-R27-L14 Surface Mount: C10-004-04-02-93D-R27-L14

Fig.12

Thru-Hole: CSP591-03-01-01S-R27-L14 Surface Mount: CSP591-03-01-93S-R27-L14

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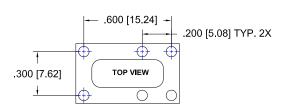




RALTRON ELECTRONICS Continued

Socket Terminal Details

Cross Section View Shown Units: in [mm]



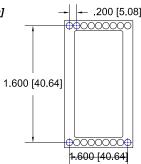


Fig.13

Thru-Hole: C10-314-06-03-01S-R27-L14 Surface Mount: C10-314-06-03-93S-R27-L14

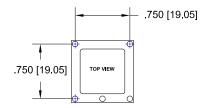


Fig.14

Thru-Hole: C20-1618-18-01-433E-R27-L14
Surface Mount: C20-1618-18-01-285E-R27-L14

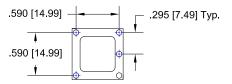
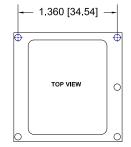


Fig.15

Thru-Hole: C10-7524-05-01-295V-R27-L14
Surface Mount: C10-7524-05-01-439V-R27-L14

Fig.16

Thru-Hole: CSP590-05-01-01S-R27-L14 Surface Mount: CSP590-05-01-93S-R27-L14



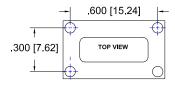


Fig.17

Thru-Hole: CSP1360-05-01-295V-R27-L14
Surface Mount: CSP1360-05-01-439V-R27-L14

Fig.18

Thru-Hole: C10-314-04-01-01S-R27-L14
Surface Mount: C10-314-04-01-93S-R27-L14

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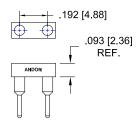




RALTRON ELECTRONICS Continued

Socket Terminal Details

Cross Section View Shown Units: in [mm]



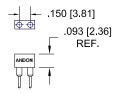
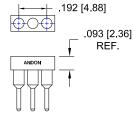


Fig.19

Thru-Hole: CSP192-02-01-01S-R27-L14
Surface Mount: CSP192-02-01-93S-R27-L14

Fig.20

Thru-Hole: C15-02-02-04-01S-R27-L14 Surface Mount: C15-02-02-04-93S-R27-L14



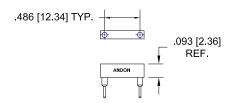
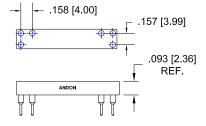


Fig.21

Thru-Hole: CSP192-03-01-01S-R27-L14
Surface Mount: CSP192-03-01-93S-R27-L14

Fig.22

Thru-Hole: C486-002-02-01-01S-R27-L14 Surface Mount: C486-002-02-01-93S-R27-L14



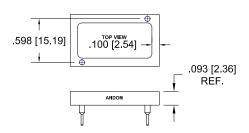


Fig.23

Thru-Hole: CSP1260-06-01-01S-R27-L14 Surface Mount: CSP1260-06-01-93S-R27-L14

Fig.24

Thru-Hole: CSP598-02-01-295V-R27-L14 Surface Mount: CSP598-02-01-439V-R27-L14

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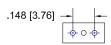




RALTRON ELECTRONICS Continued

Socket Terminal Details

Cross Section View Shown Units: in [mm]



.386 [9.80]

Fig.25

Thru-Hole: CSP148-03-01-400T4-R27-L14
Surface Mount: CSP148-03-01-414T4-R27-L14

Fig.26

Thru-Hole: CSP386-04-01-01S-R27-L14 Surface Mount: CSP386-04-01-93S-R27-L14



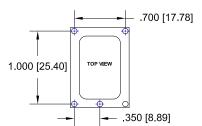


Fig.27

Thru-Hole: CSP354-04-01-01S-R27-L14 Surface Mount: CSP354-04-01-93S-R27-L14

Fig.28

Thru-Hole: C10-1014-05-02-295V-R27-L14
Surface Mount: C10-1014-05-02-439V-R27-L14

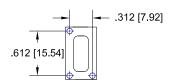


Fig.29

Thru-Hole: CSP612-03-01-01S-R27-L14 Surface Mount: CSP612-03-01-93S-R27-L14

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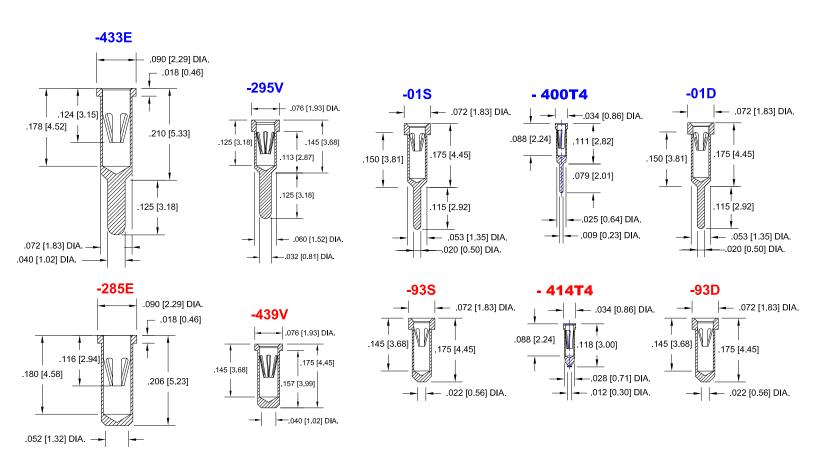


RoHS Compliant ISO 9001 Certified

RALTRON ELECTRONICS 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			
-433E	Ø.040 [Ø1.02]	36.0 oz Avg.	3.9 oz Min	-285E	Ø.040 [Ø1.02]	36.0 oz Avg.	3.9 oz Min			
-295V	Ø.030 [Ø0.76]	13.2 oz Avg.	3.5 oz Min	-439V	Ø.030 [Ø0.76]	13.2 oz Avg.	3.5 oz Min			
-400T4	Ø.012 [Ø0.30]	1.1 oz Avg.	0.3 oz Min	-414T4	Ø.012 [Ø0.30]	1.1 oz Avg.	0.3 oz Min			
-01D	Ø.018 [Ø0.46]	9.5 oz Avg.	3.2 oz Min	-93D	Ø.018 [Ø0.46]	9.5 oz Avg.	3.2 oz Min			

MOUNTING OPTIONS PCB THRU-HOLE SURFACE MOUNT PCB LOOSE PIN FOR ULTRA LOW PROFILE THRU-HOLE THRU-HOLE

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*Sockets are not drawn to scale RALTRON ELECTRONICS 4/2/2015