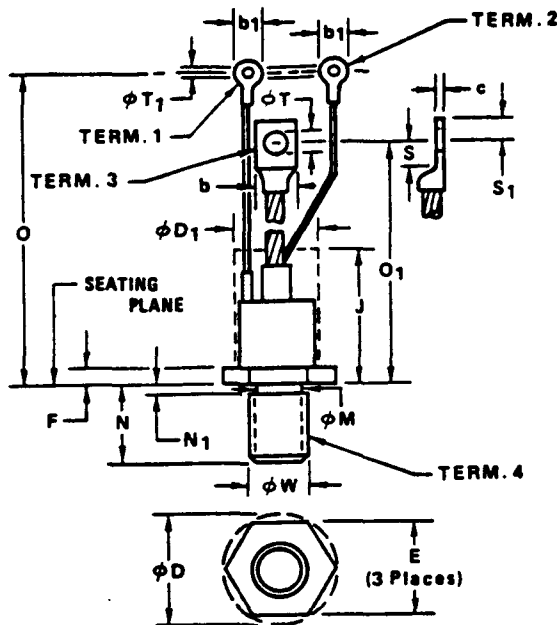


NOTES:

1. Refer to applicable symbol list.
2. Dimensioning and tolerancing per ANSI Y14.5-1966.
3. Device contour except on noted dimensions is optional within zone defined by ϕD_1 and J . ϕD_1 not to exceed actual E .
4. A chamfer (or undercut) on one or both ends of the hexagonal portion is optional.
5. Seated height with lead bent at right angles.
6. Flexible leads for terminals 1 & 2 are identified by color coding for specific applications.
7. Position of leads in relation to hexagon is not controlled.
8. Angular orientation of terminal(s) is optional.
9. Terminal 2 omitted.
10. Minimum flat.
11. Coated threads shall meet the requirements of ANSI B1.1-1960.
12. Controlling dimensions: inch.
13. Millimeter dimensions are taken the the same number of places beyond the decimal point as the corresponding inch dimensions. Maximum conversion error is no more than .02 times the smallest unit value of corresponding inch dimensions.

SYMBOL	VARIATIONS (ALL DIMENSIONS SHOWN IN MILLIMETERS)												
	AA		NOTE	AB		NOTE	AC		NOTE	AD		NOTE	
	MIN.	MAX.		MIN.	MAX.		MIN.	MAX.		MIN.	MAX.		
b	11.100	16.510	8	13.462	19.177	8	11.100	16.510	8	18.669	25.400	8	
b ₁	5.461	7.620	7,8	5.461	7.620	7,8	5.461	7.620	7,8	5.538	8.331	7,8	
c	1.397	2.794		-	-		-	-		-	-		
ϕD	-	31.165		-	36.652		-	31.165		-	49.504		
ϕD_1	-	26.187	3	-	30.784	3	-	26.187	3	-	41.427	3	
E	26.188	27.000		30.785	31.750		26.188	27.000		41.428	42.875		
F	4.318	12.700	4	5.842	25.400	4	4.318	12.700	4	6.350	12.700	4	
J	-	63.500	3,5	-	92.075	3,5	-	63.500	3,5	-	101.600	3,5	
ϕM	11.735	12.674		17.857	19.024		11.735	12.674		23.826	25.349		
N	20.244	21.005		26.594	27.355		20.244	21.005		34.925	38.989		
N ₁	-	3.175		-	3.962		-	3.175		-	5.334		
O	173.990	190.500		186.690	205.740		173.990	190.500		244.856	257.556		
O ₁	146.685	159.131		186.690	205.740		146.685	159.131		238.760	248.412		
S	6.350	-	10	8.636	-	10	6.350	-	10	9.525	-	10	
S ₁	-	8.255		-	-		-	-		-	-		
ϕT	6.350	7.874		6.604	8.890		6.604	7.874		8.128	11.379		
ϕT_1	3.556	3.810		3.556	3.937		3.556	3.810		3.556	4.368		
ϕW	1/2-20 UNF-2A			3/4-16 UNF-2A			1/2-20 UNF-2A			1-12 UNF-2A		11	
NOTE	1, 2, 6, 9, 12, 13			1, 2, 6, 12, 13			1, 2, 6, 12, 13			1, 2, 6, 12, 13			
REF.	TO-49			TO-93			TO-94			TO-108			
ISSUE	A June 1974			A June 1974			A June 1974			A June 1974			
JEDEC SOLID STATE PRODUCT OUTLINES				TITLE STUD HEX BASE FAMILY (Flexible Leads)				ISSUE A		DATE June 1974		TO-209AA-AD	



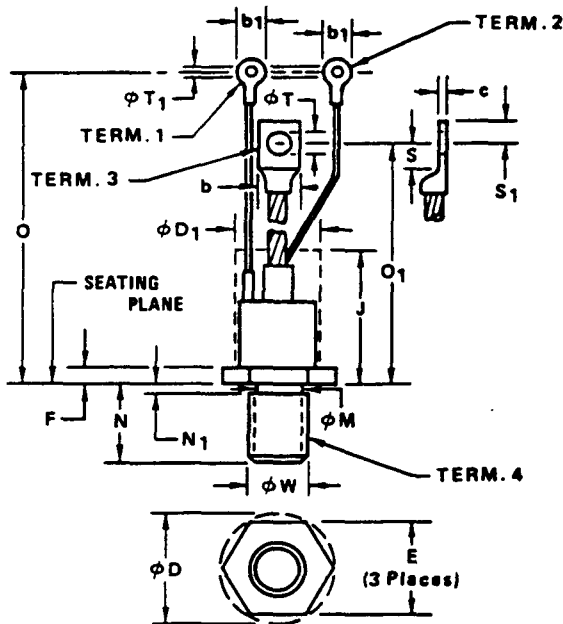
NOTES:

1. Refer to applicable symbol list.
2. Dimensioning and tolerancing per ANSI Y14.5-1966.
3. Device contour except on noted dimensions is optional within zone defined by ϕD_1 and J . ϕD_1 not to exceed actual E .
4. A chamfer (or undercut) on one or both ends of the hexagonal portion is optional.
5. Seated height with lead bent at right angles.
6. Flexible leads for terminals 1 & 2 are identified by color coding for specific applications.
7. Position of leads in relation to hexagon is not controlled.
8. Angular orientation of terminal(s) is optional.
9. Terminal 2 omitted.
10. Minimum flat.
11. Coated threads shall meet the requirements of ANSI B1.7-1960.
12. Controlling dimensions: inch.

VARIATIONS (ALL DIMENSIONS SHOWN IN INCHES)

Y M B O L	AA		N O T E	AB		N O T E	AC		N O T E	AD		N O T E	
	MIN.	MAX.		MIN.	MAX.		MIN.	MAX.		MIN.	MAX.		
b	.437	.650	8	.530	.755	8	.437	.650	8	.735	1.000	8	
b ₁	.215	.300	7,8	.215	.300	7,8	.215	.300	7,8	.218	.328	7,8	
c	.055	.110		-	-		-	-		-	-		
φD	-	1.227		-	1.443		-	1.227		-	1.949		
φD ₁	-	1.031	3	-	1.212	3	-	1.031	3	-	1.631	3	
E	1.031	1.063		1.212	1.250		1.031	1.063		1.631	1.688		
F	.170	.500	4	.230	1.000	4	.170	.500	4	.250	.500	4	
J	-	2.500	3,5	-	3.625	3,5	-	2.500	3,5	-	4.000	3,5	
φM	.462	.499		.703	.749		.462	.499		.938	.998		
N	.797	.827		1.047	1.077		.797	.827		1.375	1.535		
N ₁	-	.125		-	.156		-	.125		-	.210		
O	6.850	7.500		7.350	8.100		6.850	7.500		9.640	10.140		
O ₁	5.775	6.265		7.350	8.100		5.775	6.265		9.400	9.780		
S	.250	-	10	.340	-	10	.250	-	10	.375	-	10	
S ₁	-	.325		-	.350		-	.310		-	.448		
φT	.250	.310		.260	.350		.260	.310		.320	.448		
φT ₁	.140	.150		.140	.155		.140	.150		.140	.172		
φW	1/2-20 UNF-2A		11	3/4-16UNF-2A		11	1/2-20 UNF-2A		11	1-12 UNF-2A		11	
NOTE	1, 2, 6, 9, 12			1, 2, 6, 12			1, 2, 6, 12			1, 2, 6, 12			
REF.	T0-49			T0-93			T0-94			T0-108			
ISSUE	A June 1974			A June 1974			A June 1974			A June 1974			
JEDEC SOLID STATE PRODUCT OUTLINES				TITLE STUD HEX BASE FAMILY (Flexible Leads)				ISSUE A		DATE June 1974		T0-209AA-AD	

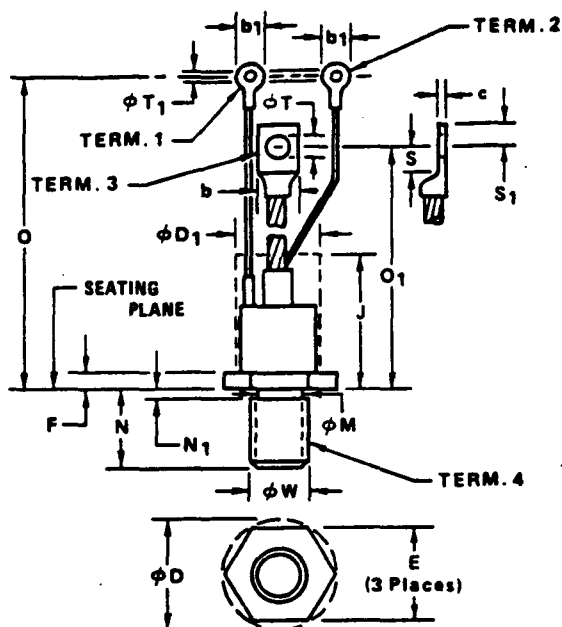
NOTES:



1. Refer to applicable symbol list.
2. Dimensioning and tolerancing per ANSI Y14.5-1966.
3. Device contour except on noted dimensions is optional within zone defined by ϕD_1 and J. ϕD_1 not to exceed actual E.
4. A chamfer (or undercut) on one or both ends of the hexagonal portion is optional.
5. Seated height with lead bent at right angles.
6. Flexible leads for terminals 1 & 2 are identified by color coding for specific applications.
7. Position of leads in relation to hexagon is not controlled.
8. Angular orientation of terminal(s) is optional.
9. Terminal 2 omitted.
10. Minimum flat.
11. Coated threads shall meet the requirements of ANSI B1.1-1960.
12. Controlling dimensions: inch.
13. Millimeter dimensions are taken to the same number of places beyond the decimal point as the corresponding inch dimensions. Maximum conversion error is no more than .02 times the smallest unit value of corresponding inch dimensions.

VARIATIONS (ALL DIMENSIONS SHOWN IN MILLIMETERS)

SYMBOL	AE		NOTE			NOTE			NOTE			NOTE
	MIN.	MAX.		MIN.	MAX.		MIN.	MAX.		MIN.	MAX.	
b	18.669	25.400	8									
b ₁	6.604	8.331	7,8									
c	-	49.504										
ϕD	-	41.427	3									
ϕD_1	41.428	42.875										
E	-	101.600	4									
F	6.350	12.700	3,5									
J	-	101.600										
ϕM	17.857	19.024										
N	26.188	27.813										
N ₁	-	3.962										
O	244.856	257.556										
O ₁	238.760	248.412										
S	9.525	-	10									
S ₁	-	-										
ϕT	8.128	11.379										
ϕT_1	3.556	4.368										
ϕW	3/4-16 UNF-2A		11									
NOTE	1, 2, 6, 12, 13											
REF.	TO-118											
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NOTES:

1. Refer to applicable symbol list.
2. Dimensioning and tolerancing per ANSI Y14.5-1966.
3. Device contour except on noted dimensions is optional within zone defined by ϕD_1 and J . ϕD_1 not to exceed actual E .
4. A chamfer (or undercut) on one or both ends of the hexagonal portion is optional.
5. Seated height with lead bent at right angles.
6. Flexible leads for terminals 1 & 2 are identified by color coding for specific applications.
7. Position of leads in relation to hexagon is not controlled.
8. Angular orientation of terminal(s) is optional.
9. Terminal 2 omitted.
10. Minimum flat.
11. Coated threads shall meet the requirements of ANSI B1.1-1960.
12. Controlling dimensions: inch.

SYMBOL	VARIATIONS (ALL DIMENSIONS SHOWN IN INCHES)											
	AE		NOTE			NOTE			NOTE			NOTE
	MIN.	MAX.		MIN.	MAX.		MIN.	MAX.		MIN.	MAX.	
b	.735	1.000	8									
b ₁	.260	.328	7,8									
c	-	-										
ϕD	-	1.949										
ϕD_1	-	1.631	3									
E	1.631	1.688										
F	.250	.500	4									
J	-	4.000	3,5									
ϕM	.703	.749										
N	1.031	1.095										
N ₁	-	.156										
O	9.640	10.140										
O ₁	9.400	9.780	10									
S	.375	-										
S ₁	-	-										
ϕT	.320	.448										
ϕT_1	.140	.172										
ϕW	3/4-16 UNF-2A		11									
NOTE	1, 2, 6, 12											
REF.	TO-118											
ISSUE	A June 1974											
JEDEC SOLID STATE PRODUCT OUTLINES			TITLE STUD HEX BASE FAMILY (Flexible Leads)			ISSUE A		DATE June 1974		TO-209AE		