D41D1 D41D7 D41D13 D41D2 D41D8 D41D14 D41D4 D41D10 D41D5 D41D11

PNP SILICON POWER TRANSISTORS





www.centralsemi.com

DESCRIPTION:

The CENTRAL SEMICONDUCTOR D41D series types are PNP silicon power transistors designed for amplifier and switching applications. The NPN complementary types are the D40D series.

MARKING: FULL PART NUMBER

MAXIMUM R. Collector-Emi	ATINGS : (T _C =25°C)	SYMBOL VCES	D41D1 D41D2 45	D41D4 D41D5 60	D41D7 D41D8 75	D41D10 D41D11 D41D13 D41D14 90	UNITS
Collector-Emi	· ·	VCES	30	45	60	75	V
Emitter-Base	· ·	VEBO	00		.0	7.0	V
	Collector Current	IC			.0		A
Peak Collecto		I _{CM}			.5		Α
Power Dissipa		PD			25		W
	d Storage Junction Temperature	T _J , T _{stq}			+150		°C
Thermal Resi		ΘJC			.0		°C/W
ELECTRICAL SYMBOL	L CHARACTERISTICS: (T _C =25°C TEST CONDITIONS	unless othe	rwise note	ed) MIN	MA	x	UNITS
ICES	V _{CE} =Rated V _{CES}				100)	nA
I _{EBO}	V _{EB} =5.0V				100)	nA
BVCEO	I _C =10mA (D41D1, 2)			30			V
BVCEO	I _C =10mA (D41D4, 5)			45			V
BVCEO	I _C =10mA (D41D7, 8)			60			V
BVCEO	I _C =10mA (D41D10, 11, 13, 14)			75			V
V _{CE} (SAT)	I _C =500mA, I _B =50mA (D41D1, 2,	4, 5)			0.5	5	V
VCE(SAT)	I _C =500mA, I _B =50mA (D41D7, 8,	10, 11, 13,	14)		1.0)	V
V _{BE} (SAT)	I _C =500mA, I _B =50mA				1.5	5	V
h _{FE}	V _{CE} =2.0V, I _C =100mA	D41D1 D41D4 D41D7 D41D10 D41D13 MIN MAX 50 150	D41 <u>MIN</u> 120	D2 <u>MAX</u> <u>N</u>	D41D5 D41D8 D41D11 D41D14 MIN MAX 120 360		
h _{FE}	V _{CE} =2.0V, I _C =1.0A	10	20		10		
	(Except D41D13, 14)	10 -	20	-	10 -		

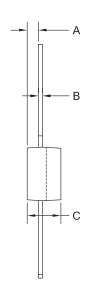
D41D1 D41D7 D41D13 D41D2 D41D8 D41D14 D41D4 D41D10

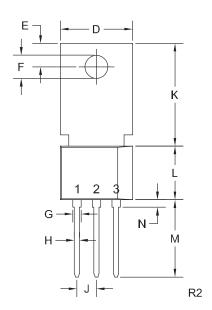
D41D5 D41D11

PNP SILICON POWER TRANSISTORS



TO-202 CASE - MECHANICAL OUTLINE





LEAD CODE:

- 1) Emitter
- 2) Base
- 3) Collector

Tab is common to pin 3

MARKING:

FULL PART NUMBER

DIMENSIONS				
	INCHES		MILLIMETERS	
SYMBOL	MIN	MAX	MIN	MAX
Α	0.055	0.071	1.40	1.80
В	0.016	0.024	0.40	0.60
С	0.173	0.181	4.40	4.60
D	0.374	0.413	9.50	10.5
E	0.118	0.154	3.00	3.90
F (DIA)	0.124	0.150	3.15	3.80
G	0.035	0.055	0.90	1.40
Н	0.023	0.031	0.59	0.80
J	0.094	0.106	2.39	2.69
K	0.459	0.559	11.66	14.21
L	0.280	0.346	7.12	8.80
М	0.406	0.531	10.3	13.5
N	0.024	0.059	0.60	1.50
		Т	O-202 (F	REV: R2)

R2 (4-February 2016)

OUTSTANDING SUPPORT AND SUPERIOR SERVICES



PRODUCT SUPPORT

Central's operations team provides the highest level of support to insure product is delivered on-time.

- Supply management (Customer portals)
- · Inventory bonding
- · Consolidated shipping options

- · Custom bar coding for shipments
- · Custom product packing

DESIGNER SUPPORT/SERVICES

Central's applications engineering team is ready to discuss your design challenges. Just ask.

- Free quick ship samples (2nd day air)
- Online technical data and parametric search
- SPICE models
- · Custom electrical curves
- · Environmental regulation compliance
- · Customer specific screening
- Up-screening capabilities

- · Special wafer diffusions
- PbSn plating options
- Package details
- Application notes
- · Application and design sample kits
- Custom product and package development

REQUESTING PRODUCT PLATING

- 1. If requesting Tin/Lead plated devices, add the suffix "TIN/LEAD" to the part number when ordering (example: 2N2222A TIN/LEAD).
- 2. If requesting Lead (Pb) Free plated devices, add the suffix "PBFREE" to the part number when ordering (example: 2N2222A PBFREE).

CONTACT US

Corporate Headquarters & Customer Support Team

Central Semiconductor Corp. 145 Adams Avenue Hauppauge, NY 11788 USA

Main Tel: (631) 435-1110 Main Fax: (631) 435-1824

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www.centralsemi.com

Worldwide Field Representatives: www.centralsemi.com/wwreps

Worldwide Distributors:

www.centralsemi.com/wwdistributors

For the latest version of Central Semiconductor's **LIMITATIONS AND DAMAGES DISCLAIMER**, which is part of Central's Standard Terms and Conditions of sale, visit: www.centralsemi.com/terms

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Product End of Life Notification

PDN ID:	PDN01270
Notification Date:	5/30/24
Last Buy Date:	
Last Shipment Date	Stock Only

https://www.centralsemi.com

Please be advised that Central Semiconductor must immediately discontinue the product(s) listed in the attached PDN notice. Orders can only be accepted for products with available inventory on hand.

You may have purchased one or more of the products listed. Please do not hesitate to contact your local Central Semiconductor sales representative with any questions or needs you may have. Central regrets any inconvenience this may cause.

Sincerely,

Central Semiconductor, LLC

DISCLAIMER: This End of Life (EOL) notification is in accordance with JEDEC standard JESD48 - Product Discontinuance. Central Semiconductor will make every effort to offer life-time buy (LTB) opportunities and/or offer replacement devices to existing customers for discontinued devices, however, one or both may not be possible for all devices. Please contact your local Central Semiconductor sales representative for LTB opportunities/additional information.

CCC785 REV 003



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Product	End	of	Life
Noti	ficat	ior	1

PDN ID:	PDN01270
Notification Date:	5/30/24
Last Buy Date:	Stock Only
Last Shipment Date	Stock Only

Summary: All devices manufactured in the TO-202 and TO-202-2 packages are discontinued and now classified as End of Life (EOL).

Although Central Semiconductor makes every effort to continue to produce devices that have been proclaimed EOL (End of Life) by other manufacturers, it is an accepted industry practice to discontinue certain devices when customer demand falls below a minimum level of sustainability. Accordingly, the following product(s) have been transitioned to End of Life status as part of Central's ongoing Product Portfolio Management. Any replacement products are noted below. The effective date for placing last purchase orders will be six (6) months from the date of this notice and twelve (12) months from the notice date for final shipments, and minimum order quantities may apply. The last purchase and shipment dates may be extended if inventory is available.

* All Plating types (PBFREE,TIN/LEAD) for each item listed are included in this notice.

CEN-U01A N/A CEN-U02 N/A CEN-U05 N/A CEN-U05 N/A CEN-U06N N/A CEN-U06N N/A CEN-U07 N/A CEN-U07 N/A CEN-U07 N/A CEN-U07 N/A CEN-U07 N/A CEN-U07 N/A CEN-U10N N/A CEN-U10N N/A CEN-U10N N/A CEN-U15 N/A CEN-U45 N/A CEN-U52 N/A CEN-U55 N/A CEN-U55 N/A CEN-U55 N/A CEN-U56N N/A CEN-U57 N/A CEN-U57 N/A CEN-U57 N/A CEN-U57 N/A CEN-U60 N/A	Central Part Number	Suggested Replacement
CEN-U05 N/A CEN-U05N N/A CEN-U06 N/A CEN-U06 N/A CEN-U07 N/A CEN-U07 N/A CEN-U07 MOD1 N/A CEN-U07N N/A CEN-U10 N/A CEN-U10 N/A CEN-U10 N/A CEN-U15 N/A CEN-U52 N/A CEN-U52 N/A CEN-U55 N/A CEN-U55 N/A CEN-U55 N/A CEN-U55 N/A CEN-U57 N/A CEN-U58 N/A CEN-U59 N/A CEN-U59 N/A CEN-U50 N/A CEN-U51 N/A CEN-U57 N/A CEN-U50 N/A CEN-U51 N/A CEN-U50 N/A	CEN-U01A	
CEN-U05N N/A CEN-U06 N/A CEN-U06N N/A CEN-U07 N/A CEN-U07 N/A CEN-U07 MOD1 N/A CEN-U07N N/A CEN-U10 N/A CEN-U10 N/A CEN-U10 N/A CEN-U15 N/A CEN-U45 N/A CEN-U45N N/A CEN-U51A N/A CEN-U52 N/A CEN-U55 N/A CEN-U56 N/A CEN-U56 N/A CEN-U57 N/A CEN-U57 N/A CEN-U57 N/A CEN-U57 N/A CEN-U57 N/A CEN-U57N N/A CEN-U	CEN-U02	N/A
CEN-U06 N/A CEN-U06N N/A CEN-U07 N/A CEN-U07 N/A CEN-U07MOD1 N/A CEN-U10N N/A CEN-U10N N/A CEN-U145 N/A CEN-U45N N/A CEN-U52 N/A CEN-U52 N/A CEN-U55 N/A CEN-U55 N/A CEN-U57 N/A CEN-U56 N/A CEN-U56 N/A CEN-U57 N/A CEN-U50 N	CEN-U05	N/A
CEN-U06N N/A CEN-U07 N/A CEN-U07 MOD1 N/A CEN-U07N N/A CEN-U10 N/A CEN-U10 N/A CEN-U10N N/A CEN-U45 N/A CEN-U45 N/A CEN-U51A N/A CEN-U51A N/A CEN-U55 N/A CEN-U55 N/A CEN-U55 N/A CEN-U55N N/A CEN-U56 N/A CEN-U57 N/A CEN-U50	CEN-U05N	N/A
CEN-U07 MOD1 N/A CEN-U07N N/A CEN-U10 N/A CEN-U10 N/A CEN-U10N N/A CEN-U45 N/A CEN-U45 N/A CEN-U45N N/A CEN-U51A N/A CEN-U52 N/A CEN-U55 N/A CEN-U56 N/A CEN-U57 N/A CEN-U57 N/A CEN-U57 N/A CEN-U57 N/A CEN-U57 N/A CEN-U57N N/A CEN-U57N N/A CEN-U57N N/A CEN-U59N N/A CEN-U51A N/A CEN-U57 N/A CEN-U57 N/A CEN-U57 N/A CEN-U57N N/A CEN-U57N N/A CEN-U50 N/A CEN-U514 N/A CEN-U50 N/A C	CEN-U06	N/A
CEN-U07 MOD1 N/A CEN-U07N N/A CEN-U10 N/A CEN-U10 N/A CEN-U10N N/A CEN-U45 N/A CEN-U45 N/A CEN-U45N N/A CEN-U51A N/A CEN-U52 N/A CEN-U55 N/A CEN-U55 N/A CEN-U55 N/A CEN-U56 N/A CEN-U57 N/A CEN-U57 N/A CEN-U57 N/A CEN-U57 N/A CEN-U57 N/A CEN-U57 N/A CEN-U598 N/A CEN-U500 N/A CEN	CEN-U06N	N/A
CEN-U07N N/A CEN-U10 N/A CEN-U10N N/A CEN-U45 N/A CEN-U45N N/A CEN-U51A N/A CEN-U51A N/A CEN-U52 N/A CEN-U55 N/A CEN-U55N N/A CEN-U56 N/A CEN-U57 N/A CEN-U57N N/A CEN-U57N N/A CEN-U600 N/A CEN1314 N/A CEN621 N/A CEN928 N/A CEN928 N/A CEN934 N/A D40C1 N/A D40C2 N/A D40C3 N/A D40C4 N/A D40C5 N/A D40C8 N/A	CEN-U07	N/A
CEN-U10 N/A CEN-U10N N/A CEN-U45 N/A CEN-U45N N/A CEN-U51A N/A CEN-U51A N/A CEN-U52 N/A CEN-U55 N/A CEN-U55N N/A CEN-U56 N/A CEN-U57N N/A CEN-U57N N/A CEN-U57N N/A CEN-U50 N/A CEN1314 N/A CEN1319 N/A CEN621 N/A CEN928 N/A CEN934 N/A D40C1 N/A D40C2 N/A D40C4 N/A D40C5 N/A D40C7 N/A D40C8 N/A	CEN-U07 MOD1	N/A
CEN-U10N N/A CEN-U45 N/A CEN-U45N N/A CEN-U51A N/A CEN-U52 N/A CEN-U55 N/A CEN-U55 N/A CEN-U56 N/A CEN-U56 N/A CEN-U57 N/A CEN	CEN-U07N	N/A
CEN-U45N N/A CEN-U51A N/A CEN-U52 N/A CEN-U55 N/A CEN-U55N N/A CEN-U56N N/A CEN-U56N N/A CEN-U57N N/A CEN-U57N N/A CEN-U60 N/A CEN1314 N/A CEN621 N/A CEN928 N/A CEN934 N/A D40C1 N/A D40C1N N/A D40C2 N/A D40C4 N/A D40C5 N/A D40C8 N/A	CEN-U10	N/A
CEN-U45N N/A CEN-U51A N/A CEN-U52 N/A CEN-U55 N/A CEN-U55N N/A CEN-U56N N/A CEN-U56N N/A CEN-U57 N/A CEN-U57N N/A CEN-U60 N/A CEN1314 N/A CEN1319 N/A CEN621 N/A CEN928 N/A CEN934 N/A D40C1 N/A D40C1N N/A D40C2 N/A D40C4 N/A D40C5 N/A D40C7 N/A D40C8 N/A	CEN-U10N	N/A
CEN-U51A N/A CEN-U52 N/A CEN-U55 N/A CEN-U55N N/A CEN-U56 N/A CEN-U56N N/A CEN-U57 N/A CEN-U57N N/A CEN-U60 N/A CEN1314 N/A CEN1319 N/A CEN621 N/A CEN928 N/A CEN934 N/A D40C1 N/A D40C1 N/A D40C2 N/A D40C4 N/A D40C5 N/A D40C8 N/A	CEN-U45	N/A
CEN-U52 N/A CEN-U55 N/A CEN-U55N N/A CEN-U56 N/A CEN-U56N N/A CEN-U57 N/A CEN-U57N N/A CEN-U60 N/A CEN1314 N/A CEN1319 N/A CEN621 N/A CEN928 N/A CEN934 N/A D40C1 N/A D40C2 N/A D40C4 N/A D40C4 N/A D40C5 N/A D40C8 N/A	CEN-U45N	N/A
CEN-U55 N/A CEN-U55N N/A CEN-U56 N/A CEN-U56N N/A CEN-U57 N/A CEN-U57N N/A CEN-U60 N/A CEN1314 N/A CEN1319 N/A CEN621 N/A CEN928 N/A CEN934 N/A D40C1 N/A D40C1N N/A D40C2 N/A D40C4 N/A D40C5 N/A D40C8 N/A	CEN-U51A	N/A
CEN-U55N N/A CEN-U56 N/A CEN-U56N N/A CEN-U57 N/A CEN-U57N N/A CEN-U60 N/A CEN1314 N/A CEN1319 N/A CEN621 N/A CEN928 N/A CEN934 N/A D40C1 N/A D40C1N N/A D40C2 N/A D40C4 N/A D40C5 N/A D40C8 N/A	CEN-U52	N/A
CEN-U56 N/A CEN-U56N N/A CEN-U57 N/A CEN-U57N N/A CEN-U60 N/A CEN1314 N/A CEN1319 N/A CEN621 N/A CEN928 N/A CEN934 N/A D40C1 N/A D40C2 N/A D40C4 N/A D40C4N N/A D40C5 N/A D40C8 N/A	CEN-U55	N/A
CEN-U56N N/A CEN-U57 N/A CEN-U57N N/A CEN-U60 N/A CEN1314 N/A CEN1319 N/A CEN621 N/A CEN928 N/A CEN934 N/A D40C1 N/A D40C1N N/A D40C2 N/A D40C4 N/A D40C4N N/A D40C5 N/A D40C8 N/A	CEN-U55N	N/A
CEN-U57N N/A CEN-U60 N/A CEN1314 N/A CEN1319 N/A CEN621 N/A CEN928 N/A CEN934 N/A D40C1 N/A D40C1N N/A D40C2 N/A D40C4 N/A D40C5 N/A D40C7 N/A D40C8 N/A	CEN-U56	N/A
CEN-U57N N/A CEN-U60 N/A CEN1314 N/A CEN1319 N/A CEN621 N/A CEN928 N/A CEN934 N/A D40C1 N/A D40C1N N/A D40C2 N/A D40C4 N/A D40C4N N/A D40C5 N/A D40C7 N/A D40C8 N/A	CEN-U56N	N/A
CEN-U60 N/A CEN1314 N/A CEN1319 N/A CEN621 N/A CEN928 N/A CEN934 N/A D40C1 N/A D40C1N N/A D40C2 N/A D40C4 N/A D40C4N N/A D40C5 N/A D40C7 N/A D40C8 N/A	CEN-U57	N/A
CEN1314 N/A CEN1319 N/A CEN621 N/A CEN928 N/A CEN934 N/A D40C1 N/A D40C1N N/A D40C2 N/A D40C4 N/A D40C4N N/A D40C5 N/A D40C7 N/A D40C8 N/A	CEN-U57N	N/A
CEN1319 N/A CEN621 N/A CEN928 N/A CEN934 N/A D40C1 N/A D40C1N N/A D40C2 N/A D40C4 N/A D40C4N N/A D40C5 N/A D40C7 N/A D40C8 N/A	CEN-U60	
CEN621 N/A CEN928 N/A CEN934 N/A D40C1 N/A D40C1N N/A D40C2 N/A D40C4 N/A D40C4N N/A D40C5 N/A D40C7 N/A D40C8 N/A		
CEN928 N/A CEN934 N/A D40C1 N/A D40C1N N/A D40C2 N/A D40C4 N/A D40C4N N/A D40C5 N/A D40C7 N/A D40C8 N/A	CEN1319	
CEN934 N/A D40C1 N/A D40C1N N/A D40C2 N/A D40C4 N/A D40C4N N/A D40C5 N/A D40C7 N/A D40C8 N/A	CEN621	
D40C1 N/A D40C1N N/A D40C2 N/A D40C4 N/A D40C4N N/A D40C5 N/A D40C7 N/A D40C8 N/A		
D40C1N N/A D40C2 N/A D40C4 N/A D40C4N N/A D40C5 N/A D40C7 N/A D40C8 N/A	CEN934	
D40C2 N/A D40C4 N/A D40C4N N/A D40C5 N/A D40C7 N/A D40C8 N/A		
D40C4 N/A D40C4N N/A D40C5 N/A D40C7 N/A D40C8 N/A		
D40C4N N/A D40C5 N/A D40C7 N/A D40C8 N/A		
D40C5 N/A D40C7 N/A D40C8 N/A		
D40C7 N/A D40C8 N/A		
D40C8 N/A		
*** CONTINUED ***		N/A
	*** CONTINUED ***	

DISCLAIMER: This End of Life (EOL) notification is in accordance with JEDEC standard JESD48 - Product Discontinuance. Central Semiconductor will make every effort to offer life-time buy (LTB) opportunities and/or offer replacement devices to existing customers for discontinued devices, however, one or both may not be possible for all devices. Please contact your local Central Semiconductor sales representative for LTB opportunities/additional information.

REV 003 CCC785



Product End of Life Notification

PDN ID:	PDN01270
Notification Date:	5/30/24
Last Buy Date:	
Last Shipment Date	Stock Only

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*** CONTINUED FROM PRIOR PAGE ***

^{*} All Plating types (PBFREE,TIN/LEAD) for each item listed are included in this notice.

Central Part Number	Suggested Replacement
D40D1	N/A
D40D10	N/A
D40D11	N/A
D40D13	N/A
D40D2	N/A
D40D4	N/A
D40D5	N/A
D40D7	N/A
D40D8	N/A
D40E1	N/A
D40E5	N/A
D40E7	N/A
D40K1	N/A
D40K2	N/A
D40K3	N/A
D40K4	N/A
D41D1	N/A
D41D10	N/A
D41D11	N/A
D41D2	N/A
D41D4	N/A
D41D5	N/A
D41D5 MOD	N/A
D41D7	N/A
D41D8	N/A
D41E1	N/A
D41E5	N/A
D41E7	N/A
D41E7N	N/A
2N6548	N/A
2N6549	N/A
2N6551	N/A
2N6552	N/A
2N6553	N/A
2N6554	N/A
2N6554-N	N/A
2N6555	N/A
2N6556	N/A

Central would be happy to assist you by providing additional information or technical data to help locate an alternate source if we have no replacement available. If you would like assistance, please visit https://my.centralsemi.com/submit-inquiry?type=ER to submit an online inquiry.

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CCC785 REV 003