

End Of Life Notice
Notification – PLC21060
[21 January 2022]

To: Our Valued Customers

Overview: The purpose of this notification is to communicate that Renesas Electronics has begun the End-of-Life (EOL) Process on select part numbers.

In addition, we regret to announce that the supplier contracted by Renesas to assemble some power modules has informed us of their plans to discontinue support for this technology, with final shipments this year. We have been unable to negotiate an extension to this timeline, nor have we identified a suitable alternate manufacturing site. It is thus necessary to move these modules to end-of-life status on a faster-than-normal schedule.

Renesas fully appreciates the challenges this unexpected development will cause your programs, and we are committed to working with you to minimize the impact.

We want to ensure your lifetime buy needs are fully supported. To that end, please coordinate with your Renesas account executive to place orders for the lifetime quantities required of each affected power module you use by 28 February 2022, with delivery requested no later than 30 November 2022.

Renesas cannot guarantee fulfillment of any orders received after 28 February 2022 for those parts impacted by the suppliers discontinuance (LTB=2/28/22, LTS=11/30/22)

To avoid future situations like this one, Renesas has been developing new power modules using a variety of multi-sourced assembly technologies. **We remain committed to the power module product category** and will continue to release new families of power module products.

We apologize for the difficulty and look forward to working with you on a smooth transition

Affected

Products: Attached is a list of products affected by this notification.

Part numbers given in the attached list are for active part numbers in the Renesas Electronics database at the time of this notification.

Key Dates:

Standard Product	
Final Last Time Buy (LTB) Orders placed after this date will not be processed.	21-Jul-22
Last Shipment (LTS)	21-Jan-23
Custom / Proprietary Product	
Final Last Time Buy (LTB) Orders placed after this date will not be processed.	21-Jan-23
Last Shipment (LTS)	21-Jul-23
Manufacturing Discontinuance due to Supplier Discontinuance	
Final Last Time Buy (LTB) Orders placed after this date will not be processed.	28-Feb-22
Last Shipment (LTS)	30-Nov-22

Response: Please place LTB orders in a timely manner prior to the key dates listed to avoid product availability issues. Shipments between the LTB and LTS dates are Non-Cancelable and Non-Returnable (NCNR).

Renesas Electronics America Inc. will attempt to honor all such purchase orders and scheduled delivery dates, but reserves the right to not accept new orders or to cancel existing orders if such orders cannot be filled through reasonable commercial effort.

Any order resulting from this notice shall be governed by Renesas's General Terms and Conditions Available at: [General Term and Conditions](#) or the applicable legal terms covering the purchase and sale transaction.

Please work with your sales representative or Field Applications Engineer to determine suitable replacement devices.

Please contact your local sales representative or Central Applications @ 1-888-468-3774 for any questions or comments.

Thank you for your attention.

Sincerely,
Renesas Electronics

Exact Renesas Part # No other variation is being impacted.	Notice PLC21060 Issue Date	LTB / Withdrawn Date	LTS / Obsolete Date	Replacement / Similar / Re-Design Part Number	Reason
5962- 9204201MEAS2035	1/21/2022	7/21/2022	1/21/2023	5962-9204201MEA	Market Decline
ACS541KMSR-02	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ACS541KMSR-02S2793	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
CD4024BDMSR	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
CD4024BHSR	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
CD4024BKMSR	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
CD4081BDNSR	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
CD4081BHNSR	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
CD4081BKNSR	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
HCS32DMSR	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
HCS32HMSR	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
HCS32KMSR	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
MD82C59A/7	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
CP82C52Z	1/21/2022	7/21/2022	1/21/2023	CS82C52AID82C52	Market Decline
D2-45157-QR	1/21/2022	7/21/2022	1/21/2023	D2-45057-QR	Market Decline
D2-45157-QR-T	1/21/2022	7/21/2022	1/21/2023	D2-45057-QR-T	Market Decline
D2-81412-LR	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
D2-81431-LR	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
D2-81435-LR	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
DG401DYZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
DG401DYZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
DG409DJZ	1/21/2022	7/21/2022	1/21/2023	DG409DVZDG409DVZ-T	Market Decline
EL4544IGZS2714	1/21/2022	1/21/2023	7/21/2023	EL4544IGZ	Market Decline
EL4583AISZ-T7S2716	1/21/2022	1/21/2023	7/21/2023	EL4583CSZ-T7	Market Decline
EL4583CSZ-T13	1/21/2022	7/21/2022	1/21/2023	EL4583CSZ-T7	Market Decline
EL5364IUZA-T7S2490S	1/21/2022	1/21/2023	7/21/2023	None	Market Decline
EL5364IUZ-T7R5289	1/21/2022	1/21/2023	7/21/2023	None	Market Decline
EL7554IREZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
EL7554IREZ-T13	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
EL7554IREZ-T7	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
EL7566DRE-EVAL	1/21/2022	1/21/2023	7/21/2023	None	Market Decline
EL7566DREZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
EL7566DREZ-T13	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
EL7566DREZ-T7	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
EL8302ISZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline

HA4P5002-5Z	1/21/2022	7/21/2022	1/21/2023	HA9P5002-5Z	Market Decline
HI3-0303-5Z	1/21/2022	7/21/2022	1/21/2023	HI9P0303-9Z	Market Decline
HI3-0506A-5Z	1/21/2022	7/21/2022	1/21/2023	HI9P0506-9Z	Market Decline
HI3-0507A-5Z	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
HI3-0508-5Z	1/21/2022	7/21/2022	1/21/2023	HI3-0508A-5Z	Market Decline
HI3-0547-5Z	1/21/2022	7/21/2022	1/21/2023	HI9P0547-9Z	Market Decline
HI5731BIBZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
HI5731BIBZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
HI5860IBZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
HI5860IBZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
HIP2100EVAL2	1/21/2022	7/21/2022	1/21/2023	HIP2100EVAL2Z	Market Decline
ICL3221EMVZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ICL3221EMVZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ICL3232ECBZ-TS2705	1/21/2022	1/21/2023	7/21/2023	ICL3232ECBZ-T	Market Decline
ICL7650SCPDZ	1/21/2022	7/21/2022	1/21/2023	ICL7650SCPA-1Z	Market Decline
ICM7242IPAZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ICM7556IPDZ	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL1208IRT8Z	1/21/2022	7/21/2022	1/21/2023	ISL1208IU8Z	Market Decline
ISL1208IRT8Z-TK	1/21/2022	7/21/2022	1/21/2023	ISL1208IU8Z-TK	Market Decline
ISL1218DBEV1Z	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL1218EVALZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL1218IUZ	1/21/2022	7/21/2022	1/21/2023	ISL1208IU8Z	Market Decline
ISL1218IUZ-T	1/21/2022	7/21/2022	1/21/2023	ISL1208IU8Z-TK	Market Decline
ISL1221EVALZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL1221IUZ	1/21/2022	7/21/2022	1/21/2023	ISL1219IUZ	Market Decline
ISL1904DEMO1Z	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL1904FAZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL1904FAZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL1904FAZ-T7A	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL1904FAZ-TK	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL2108050EV1Z	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL21080CIH350Z-TK	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL21440IRTZ	1/21/2022	7/21/2022	1/21/2023	ISL21440IUZ	Manufacturing Discontinuance
ISL21440IRTZ-T13	1/21/2022	7/21/2022	1/21/2023	ISL21440IUZ-T13	Manufacturing Discontinuance
ISL22102IV20Z-EVAL	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL23415WFUZ-TK	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL26104AV28EV1Z	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL26134AV28EV1Z	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL3179EWR5167	1/21/2022	1/21/2023	7/21/2023	None	Market Decline

ISL32704EIAZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL32704EIAZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL32704EIAZ-T7A	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL32704EIBZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL32704EIBZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL32704EIBZ-T7A	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL32704EVAL1Z	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL32704EVAL2Z	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL32705EIBZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL32705EIBZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL32705EIBZ-T7A	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL32705EVAL1Z	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL32740EIAZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL32740EIAZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL32740EIAZ-T7A	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL32740EIBZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL32740EIBZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL32740EIBZ-T7A	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL32740EVAL1Z	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL32740EVAL2Z	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL32741EFBZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL32741EFBZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL32741EFBZ-T7A	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL32741EIBZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL32741EIBZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL32741EIBZ-T7A	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL32741EVAL1Z	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL32745EIBZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL32745EIBZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL32745EIBZ-T7A	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL35111DRZ-EVALZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL35111DRZ-T7	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL35111DRZ-TS	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL35411DP-C-EVALZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL35411DRZ-EVALZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL35411DRZ-T7	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL35411DRZ-TS	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL36111DRZ-EVALZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL36111DRZ-T7	1/21/2022	7/21/2022	1/21/2023	None	Market Decline

ISL36111DRZ-TS	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL36411DP-C-EVALZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL36411DRZ-EVALZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL36411DRZ-T7	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL36411DRZ-TS	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL4243EIRZ-T7AS2568	1/21/2022	1/21/2023	7/21/2023	None	Market Decline
ISL43110IHZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL43141IRZ	1/21/2022	7/21/2022	1/21/2023	ISL43141IBZ	Market Decline
ISL43141IRZ-T	1/21/2022	7/21/2022	1/21/2023	ISL43141IBZ-T	Market Decline
ISL43240IRZ	1/21/2022	7/21/2022	1/21/2023	ISL43240IAZ	Market Decline
ISL43240IRZ-T	1/21/2022	7/21/2022	1/21/2023	ISL43240IAZ-T	Market Decline
ISL43410IUZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL43410IUZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL4486EWR5167	1/21/2022	1/21/2023	7/21/2023	None	Market Decline
ISL51002CQZ-165	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL54062IRUZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL54065IRUZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL54405IVZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL54405IVZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL55012IEZ-EVAL	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL55012IEZ-T7	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL55012IEZ-T7S2771	1/21/2022	1/21/2023	7/21/2023	None	Market Decline
ISL55016IRTZ-T7	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL55100BEVAL3	1/21/2022	7/21/2022	1/21/2023	ISL55100BEVAL3Z	Market Decline
ISL5585AIMZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL5585AIMZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL5585BIMZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL5585BIMZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL5585ECMZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL5585ECMZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL5585FCMZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL5585FCMZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL5585GCMZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL5585GCMZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL58781CRZ-EVAL	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL58781CRZ-T13	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL58792CRTZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL58792CRTZ-T13	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL58831CRZ	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance

ISL58831CRZ-T13	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL6208CHTZ-TR5675	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6217ACVZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6217ACVZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6218CRZ	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL6218CRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL6218CVZ	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL6218CVZA	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL6218CVZA-T	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL6218CVZ-T	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL6227CAZ-TS2698	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6227HRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6227HRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6251HAZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6251HAZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6251HAZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6251HAZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6251HRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6255AHZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6255AHZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6255AHRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6255AHRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6256AHRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6256AHRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6261CRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6261CRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6262CRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6262CRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6262CRZ-TK	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6262IRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6262IRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6263ACRZ	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL6263ACRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL6263AEVAL1Z	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL6263AIRZ	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL6263AIRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL6264CRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6264CRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6266AEVAL1Z	1/21/2022	7/21/2022	1/21/2023	None	Market Decline

ISL6266AIRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6266AIRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6273IRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6273IRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL62881CCPUEVAL2Z	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL62881CGPUEVAL2Z	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL62881CHRTZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL62881CHRTZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL62881CIRTZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL62881CIRTZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL62882CEVAL2Z	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL62882CHRTZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL62882CHRTZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL62882CIRTZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL62882CIRTZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL62882EVAL2Z	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL62884CIRTZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL62884CIRTZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6306CRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6306CRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6306CRZ-TK	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6306CRZ-TS2701	1/21/2022	1/21/2023	7/21/2023	None	Market Decline
ISL6312ACRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6312ACRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6312AIRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6313BCRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6313BCRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6313CRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6313CRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6313CRZ-TS2705	1/21/2022	1/21/2023	7/21/2023	None	Market Decline
ISL6313IRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6313IRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6327ACRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6327ACRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6327CRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6327CRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6327CRZ-TS2705	1/21/2022	1/21/2023	7/21/2023	None	Market Decline
ISL6333BCRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6333BCRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline

ISL6336ACRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6336ACRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6336CRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6336CRZ -T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6336DIRZ-TS2705	1/21/2022	1/21/2023	7/21/2023	ISL6336DIRZ-T	Market Decline
ISL6364AIRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6364AIRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6364IRZ	1/21/2022	7/21/2022	1/21/2023	ISL6364CRZ	Market Decline
ISL6364IRZ-T	1/21/2022	7/21/2022	1/21/2023	ISL6364CRZ-T	Market Decline
ISL6366CRZ	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL6366CRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL6366CRZ-TK	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL6366IRZ	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL6366IRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL6367HCRZ	1/21/2022	7/21/2022	1/21/2023	ISL6367HIRZ	Market Decline
ISL6367HCRZ-T	1/21/2022	7/21/2022	1/21/2023	ISL6367HIRZ-T	Market Decline
ISL6367IRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6367IRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6388HRTZ-TR5714	1/21/2022	1/21/2023	7/21/2023	None	Market Decline
ISL6388IRTZ-TR5636	1/21/2022	1/21/2023	7/21/2023	None	Market Decline
ISL6398IRTZ-TKR5636	1/21/2022	1/21/2023	7/21/2023	None	Market Decline
ISL6398IRTZ-TKS2705	1/21/2022	1/21/2023	7/21/2023	ISL6398IRTZ-TK	Market Decline
ISL6398IRTZ-TR5636	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6410AEVAL1	1/21/2022	7/21/2022	1/21/2023	ISL80019	Market Decline
ISL6410AIUZ	1/21/2022	7/21/2022	1/21/2023	ISL80019	Market Decline
ISL6410AIUZ-TK	1/21/2022	7/21/2022	1/21/2023	ISL80019	Market Decline
ISL6410EVAL1	1/21/2022	7/21/2022	1/21/2023	ISL80019	Market Decline
ISL6421AERZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6421AERZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6421AEVAL1	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6421AEVAL1Z	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6421EVAL1	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6423BERZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6423BERZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6423BERZ-TR5488	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6439IBZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6439IBZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6439IBZ-TS2705	1/21/2022	10/21/2022	4/21/2023	None	Market Decline
ISL6532ACRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline

ISL6532ACRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6532ACRZ-TK	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6537ACRZR5160	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6537ACRZ-TR5160	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6537CRZA-TR5160	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6537CRZR5160	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6545ACRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6545ACRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6545AIRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6545AIRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6545CRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6545CRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6548A-6506EVAL1Z	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6548ACRZA	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6548ACRZA-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6549CBZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6549CBZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6549CRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6549CRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6608CBZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6608CBZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6609AIBZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6609AIBZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6609AIRZ-TR5544	1/21/2022	1/21/2023	7/21/2023	None	Market Decline
ISL6612ACBZA-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6615AIRZ-TS2705	1/21/2022	1/21/2023	7/21/2023	ISL6615AIRZ-T	Market Decline
ISL6622AIRZ-TS2705	1/21/2022	1/21/2023	7/21/2023	ISL6622AIRZ-T	Market Decline
ISL6622CRZ-TS2705	1/21/2022	1/21/2023	7/21/2023	ISL6622CRZ-T	Market Decline
ISL6700EVAL1Z	1/21/2022	7/21/2022	1/21/2023	HIP2210EVAL1Z/ HIP2211EVAL2Z/ HIP2211EVAL3Z	Market Decline
ISL6719ARZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6719ARZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6721ABZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6729IBZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6729IBZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL6744ABZ	1/21/2022	7/21/2022	1/21/2023	ISL6744AABZ	Market Decline
ISL6744ABZ-T	1/21/2022	7/21/2022	1/21/2023	ISL6744AABZ-T	Market Decline
ISL6754AAZA	1/21/2022	7/21/2022	1/21/2023	None	Market Decline

ISL6754AAZA-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL68127IRBZ-TR5804	1/21/2022	1/21/2023	7/21/2023	ISL68127IRCZ-TR5804	Market Decline
ISL69158IRAZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL69158IRAZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL69158IRAZ-T7A	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL70001SRHFR5427	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL80015AIRZ-T	1/21/2022	7/21/2022	1/21/2023	ISL80015AFRZ-T	Market Decline
ISL80015AIRZ-T7A	1/21/2022	7/21/2022	1/21/2023	ISL80015AFRZ-T7A	Market Decline
ISL80020AIRZ-T	1/21/2022	7/21/2022	1/21/2023	ISL80020AFRZ-T	Market Decline
ISL80020AIRZ-T7A	1/21/2022	7/21/2022	1/21/2023	ISL80020AFRZ-T7A	Market Decline
ISL80020IRZ-T	1/21/2022	7/21/2022	1/21/2023	ISL80020FRZ-T	Market Decline
ISL80020IRZ-T7A	1/21/2022	7/21/2022	1/21/2023	ISL80020FRZ-T7A	Market Decline
ISL8014IRZ	1/21/2022	7/21/2022	1/21/2023	ISL8014AIRZ	Market Decline
ISL8014IRZ-T	1/21/2022	7/21/2022	1/21/2023	ISL8014AIRZ-T	Market Decline
ISL8104IBZ	1/21/2022	7/21/2022	1/21/2023	ISL8117	Market Decline
ISL8104IBZ-T	1/21/2022	7/21/2022	1/21/2023	ISL8117	Market Decline
ISL8104IRZ	1/21/2022	7/21/2022	1/21/2023	ISL8117	Market Decline
ISL8106CRZ	1/21/2022	7/21/2022	1/21/2023	ISL8117	Market Decline
ISL8106IRZ	1/21/2022	7/21/2022	1/21/2023	ISL8117	Market Decline
ISL8106IRZ-T	1/21/2022	7/21/2022	1/21/2023	ISL8117	Market Decline
ISL8107IRZ	1/21/2022	7/21/2022	1/21/2023	ISL884XX	Market Decline
ISL8107IRZ-T	1/21/2022	1/21/2023	7/21/2023	None	Market Decline
ISL83200CBZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL83200CBZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL84467IVZ	1/21/2022	7/21/2022	1/21/2023	ISL84467IRTZ	Market Decline
ISL84467IVZ-T	1/21/2022	7/21/2022	1/21/2023	ISL84467IRTZ-T	Market Decline
ISL84514IHZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL84514IHZ-TS2705	1/21/2022	1/21/2023	7/21/2023	None	Market Decline
ISL8500EVAL1Z	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL8502AIRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL8502AIRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL8502IRZ	1/21/2022	7/21/2022	1/21/2023	RAA211230	Market Decline
ISL8502IRZ-T	1/21/2022	7/21/2022	1/21/2023	RAA211230	Market Decline
ISL88731CHRTZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL88731CHRTZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL88731HRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL88731HRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL88733HRTZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL88733HRTZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline

ISL89163FRTBZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL89163FRTBZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL89164FRTAZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL89164FRTBZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL89165FRTAZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL89165FRTAZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL89400AR3Z	1/21/2022	7/21/2022	1/21/2023	HIP2210	Market Decline
ISL89400AR3Z-T	1/21/2022	7/21/2022	1/21/2023	HIP2210	Market Decline
ISL89401ABZ	1/21/2022	7/21/2022	1/21/2023	HIP2210	Market Decline
ISL89401ABZ-T	1/21/2022	7/21/2022	1/21/2023	HIP2210	Market Decline
ISL89401AR3Z	1/21/2022	7/21/2022	1/21/2023	HIP2210	Market Decline
ISL89401AR3Z-T	1/21/2022	7/21/2022	1/21/2023	HIP2210	Market Decline
ISL90460TIH527Z-TK	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL90460WIH527Z-TK	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL90461TIE627Z-TK	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL90461TIH627Z-TK	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL90461UIE627Z-TK	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL90461UIH627Z-TK	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL90461WIE627Z-TK	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL90462TIE627Z-TK	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL90462UIE627Z-TK	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL90462UIH627Z-TK	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL90462WIE627Z-TK	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL90462WIH627Z-TK	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL9209BIRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL9209BIRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL9209CIRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL9209CIRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL9230IRZ	1/21/2022	7/21/2022	1/21/2023	ISL9301IRZ	Market Decline
ISL9230IRZ-T	1/21/2022	7/21/2022	1/21/2023	ISL9301IRZ-T	Market Decline
ISL9444CRZ	1/21/2022	7/21/2022	1/21/2023	ISL8120	Market Decline
ISL9444CRZ-T	1/21/2022	7/21/2022	1/21/2023	ISL8121	Market Decline
ISL9444CRZ-T7A	1/21/2022	7/21/2022	1/21/2023	ISL8121	Market Decline
ISL9491ERZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL9491ERZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL9501CVZ	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL9501CVZ-T	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL9520HRTZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL9520HRTZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline

ISL95210EVAL1Z	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL95210HRZ	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL95210HRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL95210HRZ-T7A	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL95210IRZ	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL95210IRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL95210IRZ-T7A	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL95818HRTZ	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL95818HRTZ-T	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL95818IRTZ	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL95818IRTZ-T	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL95821CRTZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL95821CRTZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL95825IRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL95825IRZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL95852HIZ-T	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL95862HIZ-T	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL95862IIZ-T	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL95907HIZ-T	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL95908IIZ-T	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISL98002CRZ-170	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ISLA222P13IRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISLA222P25IRZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
QLX111RIQSR	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
QLX111RIQT7	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
QLX427ORIQSR	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
QLX427ORIQT7	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
QLX4300SIQSR	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
QLX4300SIQT7	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
QLX4600LIQSR	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
QLX4600LIQT7	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
RAA2144014GP3#NA0	1/21/2022	7/21/2022	1/21/2023	RAA2144014GP3#JA0	Market Decline
RAA2230114GP3#NA0	1/21/2022	7/21/2022	1/21/2023	RAA2230114GP3#JA0	Market Decline
RAA2230114GSP#AA0	1/21/2022	7/21/2022	1/21/2023	RAA2230114GSP#HA0	Market Decline
RAA2230114GSP#AA1	1/21/2022	7/21/2022	1/21/2023	RAA2230114GSP#HA1	Market Decline
RAA2230114GSP#MA1	1/21/2022	7/21/2022	1/21/2023	RAA2230114GSP#HA1	Market Decline
RAA2230124GP3#NA0	1/21/2022	7/21/2022	1/21/2023	RAA2230124GP3#JA0	Market Decline
RAA2230124GSP#AA0	1/21/2022	7/21/2022	1/21/2023	RAA2230124GSP#HA0	Market Decline
RAA2230124GSP#MA0	1/21/2022	7/21/2022	1/21/2023	RAA2230124GSP#HA0	Market Decline

TW2815-TA1-GR	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
TW2826-LA2-CR	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
TW2835-BA1-GR	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
TW2835-PA1-GE	1/21/2022	4/21/2022	1/21/2023	None	Manufacturing Discontinuance
TW2836-BA1-GR	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
TW2836-PA1-GE	1/21/2022	4/21/2022	1/21/2023	None	Manufacturing Discontinuance
TW2837-BB1-GR	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
TW2837-PB1-GE	1/21/2022	4/21/2022	1/21/2023	None	Manufacturing Discontinuance
TW2851-BB2-GR	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
TW2864B-LD1-CR	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
TW2965-LA2-CR	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
TW2968-LA1-CR	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
TW2968-LA1-CR-EVAL	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
TW6816A-LA1-CRR5473	1/21/2022	1/21/2023	7/21/2023	None	Market Decline
TW6816-LA1-GR	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
VERSALDEM01Z	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
X28HC256SIZ-90	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
X28HC256SZ-12	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
X28HC64JIZ-70	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
X28HC64JIZ-70T1	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
X28HC64JIZ-90	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
X28HC64JZ-12	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
X28HC64JZ-12T1	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
X28HC64JZ-70	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
X28HC64JZ-70T1	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
X5045PIZ	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
X5045PIZ-2.7A	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
X5045PIZ-4.5A	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
X5045PZ	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
X5045PZ-4.5A	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
X9221AWSIZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
X9221AWSIZT1	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
X9314WMIZ-3	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
X9314WMIZ-3T1	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
X9315UMIZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
X9315UMIZ-2.7	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
X9315UMIZ-2.7T1	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
X9315UMIZT1	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
X9315UMZ	1/21/2022	7/21/2022	1/21/2023	None	Market Decline

X9315UMZ-2.7	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
X9315UMZ-2.7C7964	1/21/2022	1/21/2023	7/21/2023	None	Market Decline
X9315UMZ-2.7T1	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
X9315UMZ-2.7T1C7964	1/21/2022	1/21/2023	7/21/2023	None	Market Decline
X9315UMZT1	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
X9315USIZT1	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
X9C102PIZ	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
X9C103PIZ	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
X9C103PIZC7644	1/21/2022	1/21/2023	7/21/2023	None	Manufacturing Discontinuance
X9C103PZ	1/21/2022	7/21/2022	1/21/2023	None	Manufacturing Discontinuance
ZL9006MAIRZ-TS2490	1/21/2022	7/21/2022	1/21/2023	None	Market Decline
ISL8200AMIRZ	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ISL8200AMIRZ-T	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ISL8200AMMRZ	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ISL8200AMMRZ-T	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ISL8201MIRZ	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ISL8201MIRZ-T	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ISL8201MIRY-TR5450	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ISL8201MIRYR5450	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ISL8204MIRZ	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ISL8204MIRZ-T	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ISL8206MIRZ	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ISL8206MIRZ-T	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ISL8225MIRZ	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ISL8225MIRZ-T	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ISL8240MIRZ	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ISL8240MIRZ-T	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ZL9101MAIRZ	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ZL9101MAIRZ-T	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ZL9101MAIRZ-TS2490	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ZL9101MBIRZ	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ZL9101MBIRZ-T	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ZL9101MIRZ	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ZL9101MIRZ-T	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ZL9117MAIRZ	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ZL9117MAIRZ-T	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ZL9117MAIRZ-TS2490	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ZL9117MBIRZ	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ZL9117MBIRZ-T	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance

ZL9117MIRZ	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ZL9117MIRZ-T	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ZL9117MIRZ-TR5494	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ZL9117MIRZR5494	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ZL9122MAIRZ	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ZL9122MAIRZ-T	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ZL9122MBIRZ	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ZL9122MBIRZ-T	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ZL9122MIRZ	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance
ZL9122MIRZ-T	1/21/2022	2/28/2022	11/30/2022	RAA210130	Manufacturing Discontinuance