

# PRODUCT ADVISORY NOTICE

KEEPING YOU INFORMED OF PRODUCT CHANGES

**To:** All Customers, Sales Representatives and Distributors  
**Date:** May 15, 2026  
**Subject:** Addition of Alternative MOSFET Supplier for 3KG1, 3JG1, 3D32, 3D35, 3D65 and 3D104 Standard Products

This Product Advisory Notice is to alert you that Grayhill is adding 2 additional qualified suppliers for an electronic component (Dual N-Channel MOSFET) used in our 3KG1, 3JG1, 3D32, 3D35, 3D65, and 3D104 standard products.

Our records show that you have purchased at least one of the affected part numbers in the past 5 years.

***Please forward this notification to the appropriate person(s) in your organization.***

## **Description of Change**

The existing component has been discontinued by its manufacturer. Grayhill is adding 2 alternative parts for its replacement.

Existing component: OnSemi FDG6303N  
Alternative component 1: MCC SI6303KDWS-TP  
Alternative component 2: Nexperia PMGD175XNEX

## **Datasheet comparison of general specifications:**

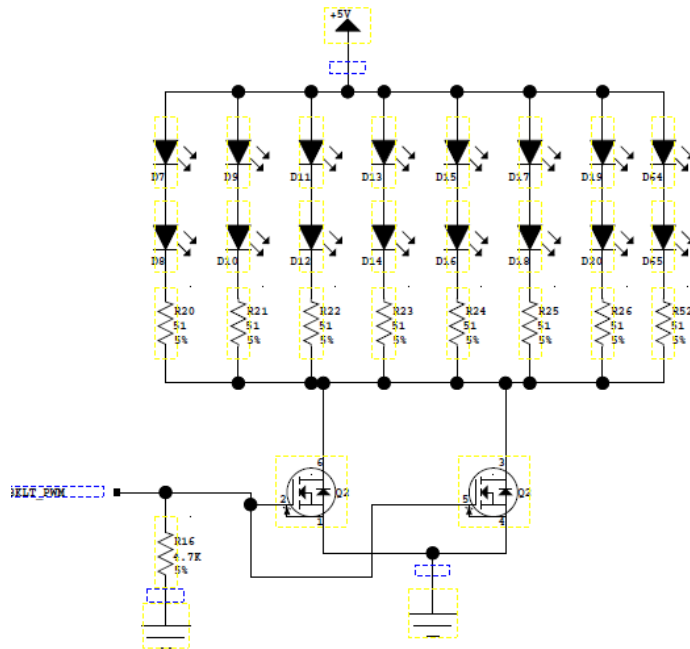
	OnSemi FDG6303N	MCC SI6303KDWS-TP	Nexperia PMGD175XNEX
Vgs min	0.65 V	0.60 V	0.75 V
Vgs typ	0.80 V	1.0 V	1 V
Rds ON @ 4.5V typ	0.34 ohm	0.33 ohm	0.21 ohm
Rds ON @ 2.7V typ	0.55 ohm	0.44 ohm	0.27 ohm
Vdds Max	25 V	30V	30 V
Pd Max@25C	0.3 W	0.3 W	0.31 W
Idc Max@25C	0.5 A	0.5 A	0.87 A
Junction-Ambient	458 C/W	410 C/W	320 C/W
Datasheet Link	<a href="#">FDG6303N Datasheet</a>	<a href="#">SI6303KDWS Datasheet</a>	<a href="#">PMGD175XNEX Datasheet</a>

# PRODUCT ADVISORY NOTICE

KEEPING YOU INFORMED OF PRODUCT CHANGES

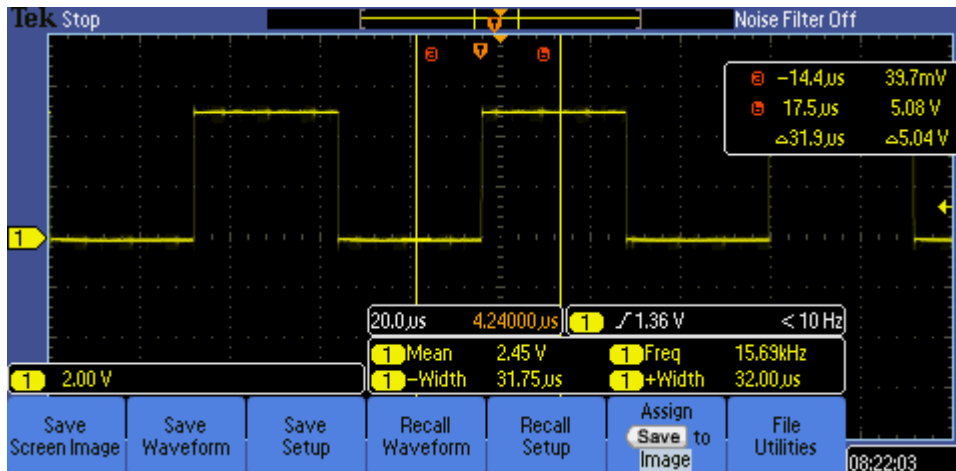
## Application summary:

The part is used for backlight brightness control as shown below. The Q2 FET is controlled by a PWM signal from the microcontroller.



The scope captures below were taken from a Grayhill Gen 1 standard 12-button keypad with backlight brightness set to 50%.

OnSemi FDG6303N Q2 Pin 2 (Backlight PWM Signal):

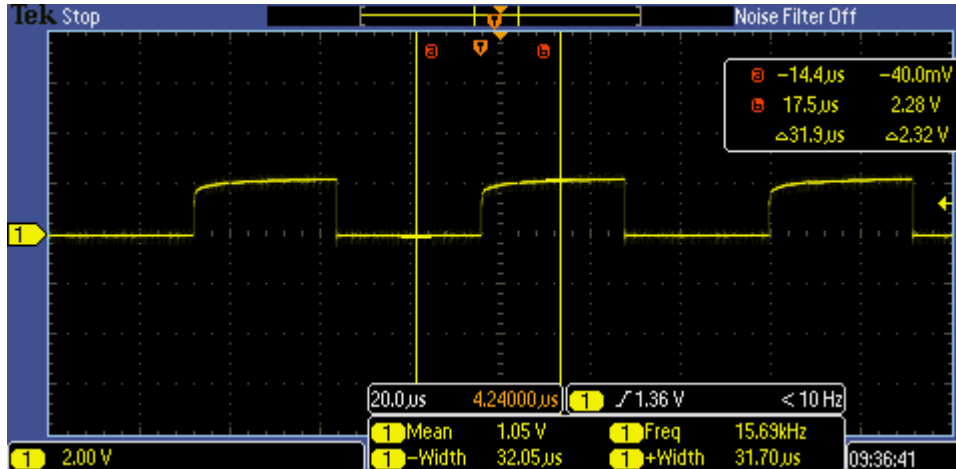




# PRODUCT ADVISORY NOTICE

KEEPING YOU INFORMED OF PRODUCT CHANGES

MCC SI6303KDWS-TP Q2 Pin 6 (PWM Signal to LEDs):



Maximum LED Current Measured at 100% PWM.

OnSemi FDG6303N	MCC SI6303KDWS-TP	Nexperia PMGD175XNEX
18.1mA	18.2mA	18.2mA

## **Reason for Change**

Current supplier is discontinuing this part number.

## **Effective Date**

Products shipped from Grayhill on or after October 1, 2026 may include parts sourced from any approved supplier. Grayhill has full batch traceability of the part used on all production batches.

## **Part Numbers Affected**

Affected part numbers are listed on pages 5-8.

## **Action Required**

Please contact your Grayhill, Inc. Sales Area Leader for further information.

###

# PRODUCT ADVISORY NOTICE

KEEPING YOU INFORMED OF PRODUCT CHANGES

## Part Numbers Affected

### Standard Part Numbers

3D104DEV-1	3K008-2RC3AG	3DYY32C-156	3JYY1015-106
3D104DEV-1T	3K008-2RN3AG	3DYY32C-159	3JYY1015-108
3D104TK-100	3K008-4RC3AA	3DYY32C-180	3JYY1015-109
3D104TK-1006	3K008-4RC3AG	3DYY32C-186	3JYY1015-112
3D104TK-100L	3K008-4RN3AG	3DYY32C-191	3JYY1015-114
3D104XK-100	3K012-4RC3AG	3DYY32C-198	3JYY1015-115
3D104XK-1006	3K012-4RN3AG	3DYY32C-199	3JYY1015-117
3D104XK-100L	3K015-3RC3AG	3DYY32C-207	3JYY1015-121
3D32HK-100	3K015-3RN3AG	3DYY32C-209	3JYY1015-123
3D32HK-200	3K020-4RC3AG	3DYY32C-211	3JYY1015-126
3D32HKR-100	3K020-4RN3AG	3DYY32C-213	3JYY1015-131
3D32HKR-200	3K106-2RC3AG	3DYY32C-214	3JYY1015-132
3D32HKR-300	3K106-2RN3AG	3DYY32C-214P	3JYY1015-133
3D32XK-100	3K108-2RC3AG	3DYY32C-217	3JYY1015-137N
3D32XK-200	3K108-2RN3AG	3DYY32C-220	3JYY1015-142
3D32XK-100L	3K108-4RC3AA	3DYY32C-221	3JYY1015-145
3D32XKR-100	3K108-4RC3AG	3DYY32C-231	3JYY1015-149
3D32XKR-200	3K108-4RN3AG	3DYY32C-232	3JYY1015-151N
3D35DEV-100	3K112-4RC3AA	3DYY32C-234	3JYY1015-159
3D35EVW-100	3K112-4RC3AG	3DYY32C-237	3JYY1015-159-2
3D35XK-100	3K112-4RN3AG	3DYY32C-249	3JYY1015-161
3D35XK-101D	3K115-3RC3AA	3DYY32C-282	3JYY1015-162
3D65DEV-1	3K115-3RC3AG	3DYY32C-293	3JYY1015-164
3D65DEV-1T	3K115-3RN3AG	3DYY32C-296	3JYY1015-165
3D65TK-100	3K120-4RC3AA	3DYY32C-301	3JYY1015-166
3D65TK-1006	3K120-4RC3AG	3DYY32C-303	3JYY1015-167N
3D65TK-100L	3K120-4RN3AG	3DYY32C-307	3JYY1015-172
3D65XK-100	3K206-2RC3AG	3DYY32C-308	3JYY1015-174
3D65XK-1006	3K206-2RN3AG	3DYY32C-328	3JYY1015-175
3D65XK-100L	3K208-2RC3AG	3DYY32C-335	3JYY1015-176
3J0005-100	3K208-2RN3AG	3DYY35C-329	3JYY1015-179N
3J0005-200	3K208-4RC3AA	3DYY35C-331	3JYY1015-187
3J0005-200N	3K208-4RC3AG	3DYY35C-336	3JYY1015-188
3J0015-200	3K208-4RN3AG	3DYY65C-152	3JYY1015-189
3J0015-200N		3DYY65C-158	3JYY1015-192
3J0015-200R	<b>3D Custom Variants</b>	3DYY65C-160	3JYY1015-198
3J0115-200	3DYY104C-136	3DYY65C-164	3JYY1015-203
3J0115-200N	3DYY104C-138	3DYY65C-166	3JYY1015-213
3J1005-200	3DYY104C-163	3DYY65C-174	3JYY1015-230
3J1005-200N	3DYY104C-167	3DYY65C-175	3JYY1015-249
3J1015-200	3DYY104C-173	3DYY65C-179	3JYY1015-251N
3J1015-200N	3DYY104C-177	3DYY65C-184	3JYY1015-262-1
3J1115-200	3DYY104C-182	3DYY65C-184	3JYY1015-262-2
3J1115-200N	3DYY104C-185	3DYY65C-195	3JYY1115-110
3J2005-200	3DYY104C-185	3DYY65C-196	3JYY1115-113
3J2005-200N	3DYY104C-197	3DYY65C-204	3JYY1115-115
3J2015-200	3DYY104C-200	3DYY65C-210	3JYY1115-118
3J2015-200N	3DYY104C-201	3DYY65C-222	3JYY1115-120
3J2015-200R	3DYY104C-203	3DYY65C-223	3JYY1115-124
3J2115-200	3DYY104C-212	3DYY65C-233	3JYY1115-124AB
3J2115-200N	3DYY104C-216	3DYY65C-243	3JYY1115-125
3K006-2RC3AG	3DYY104C-218		3JYY1115-127
3K006-2RN3AG	3DYY104C-224	<b>3J Custom Legends</b>	3JYY1115-128
3K008-2RC3AA	3DYY104C-225	3JYY0115-143	3JYY1115-128-2
	3DYY104C-226	3JYY0115-160	



# PRODUCT ADVISORY NOTICE

KEEPING YOU INFORMED OF PRODUCT CHANGES

3JYY1115-129	3KYY1008-206	3KYY1008-480	3KYY1008-846-2
3JYY1115-130	3KYY1008-211	3KYY1008-539	3KYY1008-848-1
3JYY1115-134	3KYY1008-212	3KYY1008-549	3KYY1008-848-2
3JYY1115-135	3KYY1008-223	3KYY1008-561N	3KYY1008-863
3JYY1115-136	3KYY1008-224	3KYY1008-562N	3KYY1008-883N
3JYY1115-138	3KYY1008-238	3KYY1008-565	3KYY1008-910
3JYY1115-141	3KYY1008-253	3KYY1008-568	3KYY1012-007
3JYY1115-148	3KYY1008-256	3KYY1008-585	3KYY1012-008
3JYY1115-150N	3KYY1008-264	3KYY1008-586	3KYY1012-009
3JYY1115-153	3KYY1008-269	3KYY1008-593	3KYY1012-010
3JYY1115-154	3KYY1008-270	3KYY1008-593N	3KYY1012-102
3JYY1115-155	3KYY1008-271	3KYY1008-610	3KYY1012-115
3JYY1115-157	3KYY1008-272	3KYY1008-611	3KYY1012-116
3JYY1115-160	3KYY1008-280	3KYY1008-612	3KYY1012-117
3JYY1115-163	3KYY1008-288	3KYY1008-630	3KYY1012-122
3JYY1115-173	3KYY1008-291	3KYY1008-642	3KYY1012-123
3JYY1115-177	3KYY1008-292N	3KYY1008-660	3KYY1012-124
3JYY1115-180	3KYY1008-293N	3KYY1008-673	3KYY1012-124-500
3JYY1115-181	3KYY1008-299	3KYY1008-673-2	3KYY1012-132
3JYY1115-183	3KYY1008-302	3KYY1008-674	3KYY1012-135
3JYY1115-184N	3KYY1008-329	3KYY1008-675	3KYY1012-136
3JYY1115-185	3KYY1008-330	3KYY1008-677	3KYY1012-136-500
3JYY1115-193	3KYY1008-331	3KYY1008-678	3KYY1012-137
3JYY1115-197	3KYY1008-332	3KYY1008-679	3KYY1012-142
3JYY1115-201	3KYY1008-333	3KYY1008-694	3KYY1012-154
3JYY1115-202	3KYY1008-337	3KYY1008-713	3KYY1012-175
3JYY1115-202N	3KYY1008-337-2	3KYY1008-713-1	3KYY1012-183
3JYY1115-207N	3KYY1008-338	3KYY1008-713-2	3KYY1012-192
3JYY1115-210	3KYY1008-349	3KYY1008-713-3	3KYY1012-195
3JYY1115-224	3KYY1008-349-2	3KYY1008-714	3KYY1012-196
3JYY1115-226	3KYY1008-350	3KYY1008-715	3KYY1012-210
3JYY1115-233	3KYY1008-350-2	3KYY1008-732	3KYY1012-220
3JYY1115-239	3KYY1008-351	3KYY1008-737	3KYY1012-221
3JYY1115-242	3KYY1008-351-2	3KYY1008-775	3KYY1012-222
3JYY1115-250	3KYY1008-352	3KYY1008-776	3KYY1012-239
3JYY1115-478	3KYY1008-353	3KYY1008-781	3KYY1012-240
3JYY1014-2	3KYY1008-353-2	3KYY1008-784-1	3KYY1012-241
3JYY1014-3	3KYY1008-354	3KYY1008-784-2	3KYY1012-243
3JYY1017-1	3KYY1008-354-2	3KYY1008-784-3	3KYY1012-244
	3KYY1008-355	3KYY1008-784-4	3KYY1012-245
	3KYY1008-355-2	3KYY1008-784-5	3KYY1012-248N
	3KYY1008-355-3	3KYY1008-784-6	3KYY1012-249N
	3KYY1008-378	3KYY1008-784-7	3KYY1012-251
	3KYY1008-394	3KYY1008-784-8	3KYY1012-252
	3KYY1008-409	3KYY1008-790-13	3KYY1012-258
	3KYY1008-410	3KYY1008-790-18	3KYY1012-259
	3KYY1008-410-2	3KYY1008-790-2	3KYY1012-260
	3KYY1008-411	3KYY1008-790-3	3KYY1012-262
	3KYY1008-411-2	3KYY1008-790-4	3KYY1012-263
	3KYY1008-430	3KYY1008-790-6	3KYY1012-273
	3KYY1008-432	3KYY1008-790-7	3KYY1012-278
	3KYY1008-433	3KYY1008-790-8	3KYY1012-281
	3KYY1008-458	3KYY1008-799	3KYY1012-282
	3KYY1008-461	3KYY1008-802	3KYY1012-283
	3KYY1008-462	3KYY1008-819	3KYY1012-284
	3KYY1008-475	3KYY1008-823	3KYY1012-285
	3KYY1008-475-2	3KYY1008-846	3KYY1012-286N

### 3K Custom Legends

3KYY1008-101  
3KYY1008-103  
3KYY1008-11  
3KYY1008-138  
3KYY1008-139  
3KYY1008-149  
3KYY1008-150  
3KYY1008-151  
3KYY1008-152  
3KYY1008-161  
3KYY1008-164  
3KYY1008-174  
3KYY1008-179  
3KYY1008-181  
3KYY1008-182  
3KYY1008-2



**GRAYHILL**

# PRODUCT ADVISORY NOTICE

KEEPING YOU INFORMED OF PRODUCT CHANGES

3KYY1012-292N	3KYY1012-639	3KYY1012-917AB	3KYY1106-838-1
3KYY1012-295N	3KYY1012-639AB	3KYY1012-918	3KYY1106-838-2
3KYY1012-300	3KYY1012-640	3KYY1012-921	3KYY1106-847-1
3KYY1012-301	3KYY1012-641	3KYY1012-922	3KYY1106-847-12
3KYY1012-307N	3KYY1012-643	3KYY1012-922-2	3KYY1106-847-5
3KYY1012-308N	3KYY1012-649	3KYY1012-930	3KYY1106-847-6
3KYY1012-313	3KYY1012-650	3KYY1012-933N	3KYY1106-847-7
3KYY1012-317	3KYY1012-651N	3KYY1012-940	3KYY1106-847-8
3KYY1012-318	3KYY1012-653	3KYY1012-943	3KYY1106-847-9
3KYY1012-321	3KYY1012-665	3KYY1012-947	3KYY1106-851-2N
3KYY1012-335	3KYY1012-671	3KYY1012-954N	3KYY1106-851N
3KYY1012-339	3KYY1012-710	3KYY1106-268	3KYY1106-853
3KYY1012-357	3KYY1012-711	3KYY1106-303	3KYY1106-856-1
3KYY1012-364	3KYY1012-712	3KYY1106-340	3KYY1106-856-2
3KYY1012-368	3KYY1012-712-3	3KYY1106-341	3KYY1106-887
3KYY1012-370N	3KYY1012-716	3KYY1106-342	3KYY1106-912
3KYY1012-371N	3KYY1012-716-2	3KYY1106-345	3KYY1106-926
3KYY1012-373	3KYY1012-733	3KYY1106-345-2	3KYY1108-143
3KYY1012-374	3KYY1012-752	3KYY1106-365	3KYY1108-144
3KYY1012-381N	3KYY1012-772-1	3KYY1106-366	3KYY1108-145
3KYY1012-381N-2	3KYY1012-772-2	3KYY1106-386	3KYY1108-146
3KYY1012-387	3KYY1012-772-3	3KYY1106-413	3KYY1108-147
3KYY1012-388	3KYY1012-772-4	3KYY1106-415	3KYY1108-148
3KYY1012-414	3KYY1012-774	3KYY1106-434	3KYY1108-153
3KYY1012-420	3KYY1012-790	3KYY1106-435	3KYY1108-162
3KYY1012-425	3KYY1012-790-16	3KYY1106-438N	3KYY1108-163
3KYY1012-426	3KYY1012-790-17	3KYY1106-444N	3KYY1108-178
3KYY1012-427	3KYY1012-793	3KYY1106-463	3KYY1108-184
3KYY1012-442	3KYY1012-800	3KYY1106-464	3KYY1108-189
3KYY1012-453	3KYY1012-805-1	3KYY1106-474	3KYY1108-191
3KYY1012-459N	3KYY1012-805-2	3KYY1106-477	3KYY1108-191N
3KYY1012-460N	3KYY1012-806N	3KYY1106-525	3KYY1108-193
3KYY1012-465	3KYY1012-810	3KYY1106-528	3KYY1108-197
3KYY1012-466	3KYY1012-812N	3KYY1106-529	3KYY1108-2
3KYY1012-468	3KYY1012-817	3KYY1106-531	3KYY1108-205
3KYY1012-469	3KYY1012-820	3KYY1106-532	3KYY1108-207
3KYY1012-470	3KYY1012-831	3KYY1106-537	3KYY1108-225
3KYY1012-476N	3KYY1012-831N	3KYY1106-555	3KYY1108-226
3KYY1012-515	3KYY1012-842N	3KYY1106-575	3KYY1108-229
3KYY1012-517	3KYY1012-847-2	3KYY1106-582	3KYY1108-232
3KYY1012-527	3KYY1012-847-3	3KYY1106-623	3KYY1108-233
3KYY1012-540	3KYY1012-853	3KYY1106-624	3KYY1108-234
3KYY1012-541N	3KYY1012-867-1	3KYY1106-638	3KYY1108-235
3KYY1012-541N-2	3KYY1012-867-2	3KYY1106-661	3KYY1108-236
3KYY1012-547	3KYY1012-867-3	3KYY1106-700	3KYY1108-237
3KYY1012-550	3KYY1012-867-4	3KYY1106-701	3KYY1108-247
3KYY1012-551	3KYY1012-867-5	3KYY1106-729	3KYY1108-254
3KYY1012-559N	3KYY1012-867-6	3KYY1106-736N	3KYY1108-266
3KYY1012-572	3KYY1012-879	3KYY1106-763	3KYY1108-274
3KYY1012-578N	3KYY1012-879N	3KYY1106-790-12	3KYY1108-279
3KYY1012-580	3KYY1012-880N	3KYY1106-790-14	3KYY1108-287
3KYY1012-588N	3KYY1012-883N	3KYY1106-790-15	3KYY1108-289
3KYY1012-601N	3KYY1012-891	3KYY1106-790-19	3KYY1108-297
3KYY1012-602N	3KYY1012-906	3KYY1106-795	3KYY1108-304
3KYY1012-609	3KYY1012-906-3	3KYY1106-801	3KYY1108-305
3KYY1012-626	3KYY1012-906-4	3KYY1106-801-2	3KYY1108-306
3KYY1012-627	3KYY1012-909N	3KYY1106-804	3KYY1108-315



# PRODUCT ADVISORY NOTICE

KEEPING YOU INFORMED OF PRODUCT CHANGES

3KYY1108-326N	3KYY1108-524	3KYY1115-177-3	3KYY1115-818
3KYY1108-327N	3KYY1108-526	3KYY1115-191	3KYY1115-831
3KYY1108-328	3KYY1108-533	3KYY1115-191N	3KYY1115-831N
3KYY1108-346	3KYY1108-534	3KYY1115-194	3KYY1115-859N
3KYY1108-347	3KYY1108-535	3KYY1115-204	3KYY1115-862N
3KYY1108-348	3KYY1108-538	3KYY1115-208	3KYY1115-875
3KYY1108-356	3KYY1108-546N	3KYY1115-209	3KYY1115-919
3KYY1108-357	3KYY1108-553	3KYY1115-214	3KYY1115-937N
3KYY1108-358	3KYY1108-554	3KYY1115-215	3KYY1115-937N-2
3KYY1108-359	3KYY1108-556	3KYY1115-246	3KYY1120-157
3KYY1108-360	3KYY1108-566	3KYY1115-255	3KYY1120-186
3KYY1108-361	3KYY1108-567	3KYY1115-261N	3KYY1120-203
3KYY1108-362	3KYY1108-573	3KYY1115-265	3KYY1120-227
3KYY1108-363	3KYY1108-576	3KYY1115-267	3KYY1120-228
3KYY1108-369	3KYY1108-577-1	3KYY1115-277	3KYY1120-231
3KYY1108-372	3KYY1108-577-2	3KYY1115-294	3KYY1120-250
3KYY1108-375	3KYY1108-577-3	3KYY1115-309	3KYY1120-250N
3KYY1108-377	3KYY1108-577-4	3KYY1115-310	3KYY1120-275N
3KYY1108-380N	3KYY1108-577-5	3KYY1115-311	3KYY1120-298N
3KYY1108-382	3KYY1108-577-6	3KYY1115-312	3KYY1120-314
3KYY1108-383	3KYY1108-577-7	3KYY1115-316N	3KYY1120-319
3KYY1108-384	3KYY1108-577-8	3KYY1115-320	3KYY1120-336
3KYY1108-385	3KYY1108-587	3KYY1115-323	3KYY1120-343
3KYY1108-389	3KYY1108-644	3KYY1115-324	3KYY1120-379N
3KYY1108-391	3KYY1108-645	3KYY1115-325	3KYY1120-452
3KYY1108-392	3KYY1108-662	3KYY1115-376	3KYY1120-463
3KYY1108-395	3KYY1108-663	3KYY1115-406	3KYY1120-464
3KYY1108-396	3KYY1108-664	3KYY1115-408	3KYY1120-471N
3KYY1108-397	3KYY1108-682N	3KYY1115-419	3KYY1120-542N
3KYY1108-398	3KYY1108-779N	3KYY1115-428	3KYY1120-542N-2
3KYY1108-399	3KYY1108-782	3KYY1115-457	3KYY1120-543N
3KYY1108-400	3KYY1108-790-10	3KYY1115-467	3KYY1120-543N-2
3KYY1108-401	3KYY1108-790-9	3KYY1115-536	3KYY1120-552
3KYY1108-402	3KYY1108-831N	3KYY1115-560	3KYY1120-557N
3KYY1108-403	3KYY1108-832	3KYY1115-563	3KYY1120-558N
3KYY1108-404	3KYY1108-833N	3KYY1115-571	3KYY1120-570
3KYY1108-417	3KYY1108-847-10	3KYY1115-628	3KYY1120-592
3KYY1108-418	3KYY1108-847-4	3KYY1115-629	3KYY1120-592N
3KYY1108-429	3KYY1108-851-2N	3KYY1115-683	3KYY1120-622N
3KYY1108-431N	3KYY1108-851N	3KYY1115-743N	3KYY1120-731
3KYY1108-443	3KYY1108-859N	3KYY1115-744N	3KYY1120-770
3KYY1108-472	3KYY1108-860	3KYY1115-745N	3KYY1120-791N
3KYY1108-495	3KYY1108-861N	3KYY1115-746N	3KYY1120-792-1
3KYY1108-496	3KYY1108-865	3KYY1115-747N	3KYY1120-792-2
3KYY1108-497	3KYY1108-880N	3KYY1115-771N	3KYY1120-809
3KYY1108-498	3KYY1108-886	3KYY1115-778N	3KYY1120-855N
3KYY1108-499	3KYY1108-898	3KYY1115-789-1	3KYY1120-873N
3KYY1108-500	3KYY1115-107	3KYY1115-789-2	3KYY1120-880N
3KYY1108-501	3KYY1115-108	3KYY1115-789-3	3KYY1120-914
3KYY1108-518	3KYY1115-109	3KYY1115-789-4	3KYY1003-4
3KYY1108-519	3KYY1115-118	3KYY1115-789-5	3KYY1003-5
3KYY1108-520	3KYY1115-131	3KYY1115-789-6	3KYY1172-1
3KYY1108-521	3KYY1115-169	3KYY1115-805-3	3KYY1172-2
3KYY1108-522	3KYY1115-177	3KYY1115-813	3KYY1172-3
3KYY1108-523	3KYY1115-177-2	3KYY1115-816	93YY5293-1

