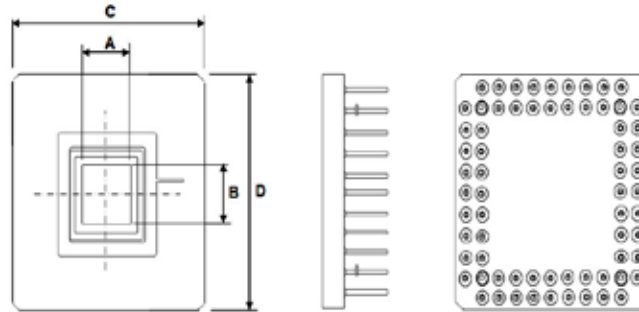


Kyocera Ceramic Pin Grid Array Packages



PIN COUNT	DIE CAVITY A x B	OVERALL C x D	LAYER THICKNESS				PIN				KYOCERA CERAMIC MATERIAL CODE A440: Black	DRAWING NUMBER	
			1ST	2ND	3RD	TOTAL	PIN LENGTH	STAND OFF HEIGHT	PIN ROW	PIN PITCH			
64	10.16SQ	25.4SQ	0,508	0,508	-	2,032	4,572	1,27	10 X 10	2	2,54	A440	KD-85030-A
65	12.7SQ	25.4SQ	0,762	0,508	-	2,286	4,572	-	10 X 10	2	2,54	A440	KD-P83703-C
68	5.08SQ	27.94SQ	0,508	0,508	-	2,032	4,572	1,27	11 X 11	2	2,54	A440	KD-P88739-A
68	7.39SQ	27.89SQ	0,635	0,635	-	1,905	4,572	1,27	11 X 11	2	2,54	A440	KD-85117
68	7.39SQ	27.89SQ	0,635	0,635	-	1,905	4,572	1,27	11 X 11	2	2,54	A440	KD-P86755
68	8.89SQ	27.94SQ	0,508	0,635	-	2,159	4,572	1,27	11 X 11	2	2,54	A440	KD-84403-A
68	8.89SQ	27.94SQ	0,762	0,635	-	2,159	4,572	1,27	11 X 11	2	2,54	A440	KD-P87465-A
68	8.89SQ	27.94SQ	0,508	0,635	-	2,159	4,572	1,27	11 X 11	2	2,54	A440	KD-P87639
68	8.89SQ	27.94SQ	0,635	0,508	-	1,651	4,064	1,27	11 X 11	2	2,54	A440	KD-P87749-A
68	10.01SQ	27.94SQ	0,762	0,635	-	2,159	4,572	1,27	11 X 11	2	2,54	A440	KD-P86595-A
68	11.43SQ	29.21SQ	0,635	0,635	-	2,794	4,064	1,27	11 X 11	2	2,54	A440	KD-84570-C
68	13.97SQ	27.89SQ	0,762	0,635	-	2,413	4,572	1,27	11 X 11	2	2,54	A440	KD-P86316-A
69	11.18SQ	27.89SQ	0,635	0,635	-	1,905	4,572	1,27	11 X 11	2	2,54	A440	KD-84088-A
68	8.89SQ	27.94SQ	0,508	0,635	-	2,159	4,572	1,27	11 X 11	2	2,54	A440	KD-P86754-A
69	11.18SQ	27.89SQ	0,635	0,635	-	1,905	4,572	1,27	11 X 11	2	2,54	A440	KD-85018-B
84	7.62SQ	27.94SQ	0,508	0,635	-	2,159	4,572	1,27	11 X 11	2	2,54	A440	KD-P88187
84	7.62SQ	27.94SQ	0,508	0,635	-	2,159	3,810	1,27	11 X 11	2	2,54	A440	KD-P88685-A
84	10.16SQ	27.94SQ	0,508	0,508	-	2,032	4,572	1,27	11 X 11	2	2,54	A440	KD-P84134-B
84	10.16SQ	27.94SQ	0,508	0,635	-	2,159	4,572	1,27	11 X 11	2	2,54	A440	KD-P85B54-A
84	10.16SQ	27.94SQ	0,508	0,508	-	2,032	3,810	0.76	11 X 11	2	2,54	A440	KD-P86A42-A

Kyocera Ceramic Pin Grid Array Packages

PIN COUNT	DIE CAVITY A x B	OVERALL C x D	LAYER THICKNESS				PIN				KYOCERA CERAMIC MATERIAL CODE A440: Black	DRAWING NUMBER	
			1ST	2ND	3RD	TOTAL	PIN LENGTH	STAND OFF HEIGHT	PIN ROW	PIN PITCH			
84	11.94SQ	27.94SQ	0,508	0,508	-	2,032	4,572	1,27	11 X 11	2	2,54	A440	KD-P85311-A
84	10.16SQ	27.94SQ	0,508	0,508	-	2,032	4,572	1,27	11 X 11	2	2,54	A440	KD-84838-B
85	8.26SQ	27.94SQ	0,508	0,508	-	2,032	4,318	1,27	11 X 11	2	2,54	A440	KD-P85816-A
85	8.89SQ	27.94SQ	0,508	0,508	-	2,032	4,572	1,27	11 X 11	2	2,54	A440	KD-P85033-A
84	8.89SQ	27.94SQ	0,508	0,635	-	2,159	4,572	1,27	11 X 11	2	2,54	A440	KD-P87421-A
85	10.16SQ	27.94SQ	0,508	0,508	-	2,032	4,572	1,27	11 X 11	2	2,54	A440	KD-P86763-A
84	11.18SQ	27.94SQ	0,508	0,508	-	2,032	4,572	1,27	11 X 11	2	2,54	A440	KD-84090-A
85	11.18SQ	27.94SQ	0,508	0,508	-	2,032	4,572	1,27	11 X 11	2	2,54	A440	KD-P86761-A
100	8.89SQ	33.53SQ	0,508	0,508	-	2,032	4,572	1,27	13 X 13	2	2,54	A440	KD-P85031-B
101	8.89SQ	33.53SQ	0,508	0,508	-	2,032	4,572	1,27	13 X 13	2	2,54	A440	KD-P87621-B
101	11.00SQ	33.53SQ	0,508	0,508	-	2,032	4,572	1,27	13 X 13	2	2,54	A440	KD-85301
101	11.00SQ	33.53SQ	0,508	0,635	-	2,159	4,572	1,27	13 X 13	2	2,54	A440	KD-P86228
101	11.00SQ	33.53SQ	0,762	0,635	-	2,159	4,572	1,27	13 X 13	2	2,54	A440	KD-P86991
101	11.94SQ	33.53SQ	0,508	0,508	-	2,032	4,572	1,27	13 X 13	2	2,54	A440	KD-P85989-A
101	12.7SQ	33.53SQ	0,508	0,508	-	2,032	4,572	1,27	13 X 13	2	2,54	A440	KD-P85A77-B
108	8.64 X	30.48SQ	0,508	0,508	0,508	2,540	4,572	1,27	12 X 12	3	2,54	A440	KD-84138-B
108	11.43SQ	30.48SQ	0,508	0,508	-	2,032	4,572	1,27	12 X 12	3	2,54	A440	KD-P87351
108	11.43SQ	30.48SQ	0,508	0,508	-	2,032	4,572	1,27	12 X 12	3	2,54	A440	KD-P87938-A
119	11.43SQ	33.53SQ	0,508	1,016	-	2,540	4,572	1,27	13 X 13	3	2,54	A440	KD-P85890-B
119	15.24SQ	33.53SQ	0,508	1,016	-	2,540	4,572	1,27	13 X 13	3	2,54	A440	KD-P85694-B
120	8.26SQ	33.53SQ	0,508	0,508	-	2,032	4,572	1,27	13 X 13	3	2,54	A440	KD-P85083-A
121	11.00SQ	33.53SQ	0,508	0,508	-	2,032	4,572	1,27	13 X 13	3	2,54	A440	KD-85019-A
121	12.96SQ	33.53SQ	0,508	0,508	-	2,032	4,572	1,27	13 X 13	3	2,54	A440	KD-P86864
121	14.00SQ	33.53SQ	0,762	0,635	-	2,413	4,572	1,27	13 X 13	3	2,54	A440	KD-P86A76-C
132	8.89SQ	35.56SQ	0,508	0,635	-	2,286	4,572	1,27	14 X 14	3	2,54	A440	KD-P87350
132	11.43SQ	35.56SQ	0,508	0,635	-	2,286	5,207	1,78	14 X 14	3	2,54	A440	KD-P83560-D

Kyocera reserves the right to modify these specifications without notice. Kyocera Fin ceramics GmbH, July 2017

Kyocera Ceramic Pin Grid Array Packages

PIN COUNT	DIE CAVITY A x B	OVERALL C x D	LAYER THICKNESS				PIN				KYOCERA CERAMIC MATERIAL CODE A440: Black	DRAWING NUMBER	
			1ST	2ND	3RD	TOTAL	PIN LENGTH	STAND OFF HEIGHT	PIN ROW	PIN PITCH			
144	10.16SQ	40.01SQ	0,508	0,508	-	2,032	4,572	1,27	15 X 15	3	2,54	A440	KD-P85032-A
145	10.16SQ	40.01SQ	0,508	0,635	-	2,159	4,572	1,27	15 X 15	3	2,54	A440	KD-P88308
145	10.16SQ	40.01SQ	0,508	0,635	-	2,159	4,572	1,27	15 X 15	3	2,54	A440	KD-P88413
145	10.80SQ	40.01SQ	0,508	0,508	-	2,032	4,572	1,27	15 X 15	3	2,54	A440	KD-P86039-B
145	11.99SQ	40.01SQ	0,508	0,508	-	2,032	4,572	1,27	15 X 15	3	2,54	A440	KD-P85B67-B
145	13.72SQ	40.01SQ	0,508	0,508	-	2,032	4,572	1,27	15 X 15	3	2,54	A440	KD-P94C14
145	17.78SQ	40.01SQ	0,508	0,508	-	2,032	4,572	1,27	15 X 15	3	2,54	A440	KD-P86499-B
181	17.78SQ	40.01SQ	0,381	0,635	0,508	2,540	4,572	1,27	15 X 15	4	2,54	A440	KD-P96186
209	11.43SQ	44.96SQ	0,381	0,762	0,381	2,286	4,572	1,27	17 X 17	4	2,54	A440	KD-P88574-B
224	12.19SQ	44.45SQ	0,635	0,508	0,508	2,921	4,572	1,27	17 X 17	4	2,54	A440	KD-P84259-F
225	12.19SQ	44.45SQ	0,635	0,508	0,508	2,921	4,572	1,27	17 X 17	4	2,54	A440	KD-P86077-E
257	14.00SQ	50.8SQ	0,508	0,508	0,508	3,048	4,572	1,27	20 X 20	4	2,54	A440	KD-P85C68-A
257	16.00SQ	50.8SQ	0,508	0,508	0,737	3,277	4,572	1,27	20 X 20	4	2,54	A440	KD-P87810-B

Unit: mm