

TABLE 2

NO OF POSITIONS	COPLANARITY (INCLUDING GP)
-60 THRU -120	0.10
-180 & -300	0.15
Signaling (5mm Stack Height)	Speed Rating (No PCB Effect)
Single-Ended	9.5GHz/19Gbps
Differential	10.5GHz/21Gbp

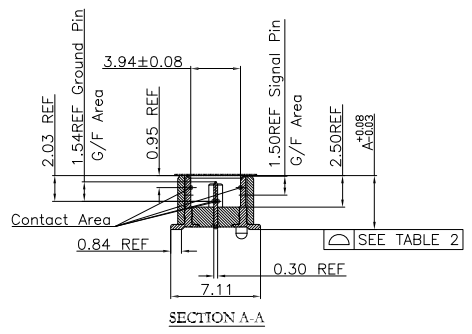
TABLE 3

"*" Available Position

Code	Pos.	Dimension D	Dimension E
	60	20.00	18.48
*	120	40.01	38.48
*	180	60.01	58.48
	240	80.01	78.49
*	300	100.01	98.49

TABLE 1

Code	A	B
1	4.267	4.064
2	7.267	7.064



Note :

"1":With Contact
 "0":Without Contact

PIN 01	03	05	07	09	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	51	53	55	57	5
PIN 02	04	06	08	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	6
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
PIN 61	63	65	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	11
PIN 62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	12
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
PIN 121	123	125	127	129	131	133	135	137	139	141	143	145	147	149	151	153	155	157	159	161	163	165	167	169	171	173	175	177	17
PIN 122	124	126	128	130	132	134	136	138	140	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	18
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

Code: 1~10 (A)	1	2	3	4	5	6	7	8	9	10
Male	4.267	7.267	10.267	15.243	18.240	21.237	24.237	29.238	13.269	14.270
Code: 1	1	1	1	1	1	1	1	1	1	1
Female	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25
Mating Height(H)	5.00	8.00	11.00	16.00	19.00	22.00	25.00	30.00	14.00	15.00

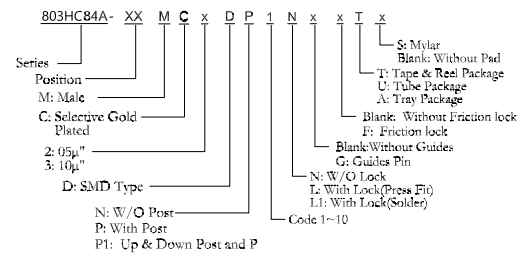
Material and Plating:

Housing: LCP, UL94V-0, Black.
 Signal Contacts : Phosphor Bronze.
 Gold Plated on Contact Area and 80u" Min Tin Plated on Solder Tail over nickel 50u" Min .
 Ground Contacts : Brass.
 Gold Plated on Contact Area and 80u" Min Tin Plated on Solder Tail over nickel 50u" Min .

Electrical Characteristics:

Current Rating: Signal: 3A Per Contact With 3 Adjacent Contacts (UL).
 Ground: 25A Per Contact With 1 Contact.
 Voltage Rating: 125V AC.
 Dielectric Withstanding Voltage: 525V AC For 1 minute.
 Insulator Resistance: 5000MΩ min at DC 500V.
 Contact Resistance: Signal: 45mΩ max .
 Ground: 15mΩ max .
 Operating Temperature: -55°C ~ +125°C .
 Durability: 250 Cycle .

*RoHS Compliant



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.X ± 0.30	APPROVED: Chris	 http://www.rego.com.tw
.XX ± 0.20	CHECKED: Andy	
.XXX ± 0.15	DRAWN: Vic	
X* ± 3'		
UNITS: mm	SCALE: NONE	TITLE: High Speed Board to Board Pitch 0.5mm Plug
		PART NO: 803HC84A-xxMCxDP1NxxTx
		SHEET: 1 OF 6

R3	12.11.2019
REV	DATE