

**SPECIFICATIONS**

Voltage Rating:	50V
Current Rating:	0.5A
Contact Material:	Copper Alloy
Contact Resistance:	20mV Max., 10mA
Housing Material:	Thermoplastic
Insulation Resistance:	500V DC
Insertion Withdrawal Force:	25±3 mm/minute
Terminal / Housing Retention Force:	25±3 mm/minute
Withstanding:	500V AC9rms) for 1 minute
Operating Temperature:	-25°C~+85°C

Series	Type	Positions	Plating	Packaging
CBB	515X	XX	GDX	XX
Board to board connector	515M=Male 515F=Female	08-100	GD5=5u" Gold GD10=10u" Gold	TB=Tube TR=Tape & Reel

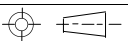
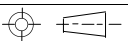

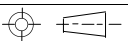
RoHS compliant

Rev.	Description	Date	Approved	Drawing	Name	Date
				Approved	Howard	07/18/08
				Checked	Lizzy	07/18/08
				Drawn	Tina	07/18/08
				0.0 ± 0.35	0.00 ± 0.20	Angles ± 3'
				UNIT: mm		

**Central Components Manufacturing**  
 440 Lincoln Blvd., Middlesex, New Jersey 08846  
 Phone 732 469-5720 888 288-5152 Fax 732 469-1919

Part No.: **CBB-515F-XX-GDX-XX**

Description: Female 0.5mm Pitch B-to-B Connector

	1	2	3	4	5	6	7	8	9																																																																																																																																																																																																																									
A	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="8">Dimensions (mm)</th> </tr> <tr> <th>Contacts</th> <th>A</th> <th>B</th> <th>C</th> <th>Contacts</th> <th>A</th> <th>B</th> <th>C</th> </tr> </thead> <tbody> <tr><td>08</td><td>1.5</td><td>2.5</td><td>4.6</td><td>58</td><td>14</td><td>15</td><td>17.1</td></tr> <tr><td>10</td><td>2</td><td>3</td><td>5.1</td><td>60</td><td>14.5</td><td>15.5</td><td>17.6</td></tr> <tr><td>12</td><td>2.5</td><td>3.5</td><td>5.6</td><td>62</td><td>15</td><td>16</td><td>18.1</td></tr> <tr><td>14</td><td>3</td><td>4</td><td>6.1</td><td>64</td><td>15.5</td><td>16.5</td><td>18.6</td></tr> <tr><td>16</td><td>3.5</td><td>4.5</td><td>6.6</td><td>66</td><td>16</td><td>17</td><td>19.1</td></tr> <tr><td>18</td><td>4</td><td>5</td><td>7.1</td><td>68</td><td>16.5</td><td>17.5</td><td>19.6</td></tr> <tr><td>20</td><td>4.5</td><td>5.5</td><td>7.6</td><td>70</td><td>17</td><td>18</td><td>20.1</td></tr> <tr><td>22</td><td>5</td><td>6</td><td>8.1</td><td>72</td><td>17.5</td><td>18.5</td><td>20.6</td></tr> <tr><td>24</td><td>5.5</td><td>6.5</td><td>8.6</td><td>74</td><td>18</td><td>19</td><td>21.1</td></tr> <tr><td>26</td><td>6</td><td>7</td><td>9.1</td><td>76</td><td>18.5</td><td>19.5</td><td>21.6</td></tr> <tr><td>28</td><td>6.5</td><td>7.5</td><td>9.6</td><td>78</td><td>19</td><td>20</td><td>22.1</td></tr> <tr><td>30</td><td>7</td><td>8</td><td>10.1</td><td>80</td><td>19.5</td><td>20.5</td><td>22.6</td></tr> <tr><td>32</td><td>7.5</td><td>8.5</td><td>10.6</td><td>82</td><td>20</td><td>21</td><td>23.1</td></tr> <tr><td>34</td><td>8</td><td>9</td><td>11.1</td><td>84</td><td>20.5</td><td>21.5</td><td>23.6</td></tr> <tr><td>36</td><td>8.5</td><td>9.5</td><td>11.6</td><td>86</td><td>21</td><td>22</td><td>24.1</td></tr> <tr><td>38</td><td>9</td><td>10</td><td>12.1</td><td>88</td><td>21.5</td><td>22.5</td><td>24.6</td></tr> <tr><td>40</td><td>9.5</td><td>10.5</td><td>12.6</td><td>90</td><td>22</td><td>23</td><td>25.1</td></tr> <tr><td>42</td><td>10</td><td>11</td><td>13.1</td><td>92</td><td>22.5</td><td>23.5</td><td>25.6</td></tr> <tr><td>44</td><td>10.5</td><td>11.5</td><td>13.6</td><td>94</td><td>23</td><td>24</td><td>26.1</td></tr> <tr><td>46</td><td>11</td><td>12</td><td>14.1</td><td>96</td><td>23.5</td><td>24.5</td><td>26.6</td></tr> <tr><td>48</td><td>11.5</td><td>12.5</td><td>14.6</td><td>98</td><td>24</td><td>25</td><td>27.1</td></tr> <tr><td>50</td><td>12</td><td>13</td><td>15.1</td><td>100</td><td>24.5</td><td>25.5</td><td>27.6</td></tr> <tr><td>52</td><td>12.5</td><td>13.5</td><td>15.6</td><td></td><td></td><td></td><td></td></tr> <tr><td>54</td><td>13</td><td>14</td><td>16.1</td><td></td><td></td><td></td><td></td></tr> <tr><td>56</td><td>13.5</td><td>14.5</td><td>16.6</td><td></td><td></td><td></td><td></td></tr> </tbody> </table>									Dimensions (mm)								Contacts	A	B	C	Contacts	A	B	C	08	1.5	2.5	4.6	58	14	15	17.1	10	2	3	5.1	60	14.5	15.5	17.6	12	2.5	3.5	5.6	62	15	16	18.1	14	3	4	6.1	64	15.5	16.5	18.6	16	3.5	4.5	6.6	66	16	17	19.1	18	4	5	7.1	68	16.5	17.5	19.6	20	4.5	5.5	7.6	70	17	18	20.1	22	5	6	8.1	72	17.5	18.5	20.6	24	5.5	6.5	8.6	74	18	19	21.1	26	6	7	9.1	76	18.5	19.5	21.6	28	6.5	7.5	9.6	78	19	20	22.1	30	7	8	10.1	80	19.5	20.5	22.6	32	7.5	8.5	10.6	82	20	21	23.1	34	8	9	11.1	84	20.5	21.5	23.6	36	8.5	9.5	11.6	86	21	22	24.1	38	9	10	12.1	88	21.5	22.5	24.6	40	9.5	10.5	12.6	90	22	23	25.1	42	10	11	13.1	92	22.5	23.5	25.6	44	10.5	11.5	13.6	94	23	24	26.1	46	11	12	14.1	96	23.5	24.5	26.6	48	11.5	12.5	14.6	98	24	25	27.1	50	12	13	15.1	100	24.5	25.5	27.6	52	12.5	13.5	15.6					54	13	14	16.1					56	13.5	14.5	16.6					A
Dimensions (mm)																																																																																																																																																																																																																																		
Contacts										A	B	C	Contacts	A	B	C																																																																																																																																																																																																																		
08										1.5	2.5	4.6	58	14	15	17.1																																																																																																																																																																																																																		
10										2	3	5.1	60	14.5	15.5	17.6																																																																																																																																																																																																																		
12										2.5	3.5	5.6	62	15	16	18.1																																																																																																																																																																																																																		
14										3	4	6.1	64	15.5	16.5	18.6																																																																																																																																																																																																																		
16										3.5	4.5	6.6	66	16	17	19.1																																																																																																																																																																																																																		
18										4	5	7.1	68	16.5	17.5	19.6																																																																																																																																																																																																																		
20										4.5	5.5	7.6	70	17	18	20.1																																																																																																																																																																																																																		
22										5	6	8.1	72	17.5	18.5	20.6																																																																																																																																																																																																																		
24										5.5	6.5	8.6	74	18	19	21.1																																																																																																																																																																																																																		
26										6	7	9.1	76	18.5	19.5	21.6																																																																																																																																																																																																																		
28										6.5	7.5	9.6	78	19	20	22.1																																																																																																																																																																																																																		
30										7	8	10.1	80	19.5	20.5	22.6																																																																																																																																																																																																																		
32										7.5	8.5	10.6	82	20	21	23.1																																																																																																																																																																																																																		
34										8	9	11.1	84	20.5	21.5	23.6																																																																																																																																																																																																																		
36										8.5	9.5	11.6	86	21	22	24.1																																																																																																																																																																																																																		
38										9	10	12.1	88	21.5	22.5	24.6																																																																																																																																																																																																																		
40										9.5	10.5	12.6	90	22	23	25.1																																																																																																																																																																																																																		
42	10	11	13.1	92	22.5	23.5	25.6																																																																																																																																																																																																																											
44	10.5	11.5	13.6	94	23	24	26.1																																																																																																																																																																																																																											
46	11	12	14.1	96	23.5	24.5	26.6																																																																																																																																																																																																																											
48	11.5	12.5	14.6	98	24	25	27.1																																																																																																																																																																																																																											
50	12	13	15.1	100	24.5	25.5	27.6																																																																																																																																																																																																																											
52	12.5	13.5	15.6																																																																																																																																																																																																																															
54	13	14	16.1																																																																																																																																																																																																																															
56	13.5	14.5	16.6																																																																																																																																																																																																																															
B																																																																																																																																																																																																																																		
C																																																																																																																																																																																																																																		
D																																																																																																																																																																																																																																		
E																																																																																																																																																																																																																																		
F	<div style="border: 1px solid black; padding: 2px; display: inline-block;">RoHS compliant</div>									F																																																																																																																																																																																																																								
G	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Rev.</th> <th>Description</th> <th>Date</th> <th>Approved</th> <th>Drawing</th> <th>Name</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td>Approved</td> <td>Howard</td> <td>07/18/08</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Checked</td> <td>Lizzy</td> <td>07/18/08</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Drawn</td> <td>Tina</td> <td>07/18/08</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>0.0 ± 0.35</td> <td>0.00 ± 0.20</td> <td>Angles ± 3'</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>UNIT: mm</td> <td></td> </tr> </tbody> </table>						Rev.	Description	Date	Approved	Drawing	Name	Date					Approved	Howard	07/18/08					Checked	Lizzy	07/18/08					Drawn	Tina	07/18/08					0.0 ± 0.35	0.00 ± 0.20	Angles ± 3'						UNIT: mm		 <b>Central Components Manufacturing</b> 440 Lincoln Blvd., Middlesex, New Jersey 08846 Phone 732 469-5720 888 288-5152 Fax 732 469-1919			Part No.: <b>CBB-515F-XX-GDX-XX</b>		Description: Female 0.5mm Pitch B-to-B Connector		G																																																																																																																																																																										
Rev.	Description	Date	Approved	Drawing	Name	Date																																																																																																																																																																																																																												
				Approved	Howard	07/18/08																																																																																																																																																																																																																												
				Checked	Lizzy	07/18/08																																																																																																																																																																																																																												
				Drawn	Tina	07/18/08																																																																																																																																																																																																																												
				0.0 ± 0.35	0.00 ± 0.20	Angles ± 3'																																																																																																																																																																																																																												
					UNIT: mm																																																																																																																																																																																																																													
	1	2	3	4	5	6	7	8	9																																																																																																																																																																																																																									