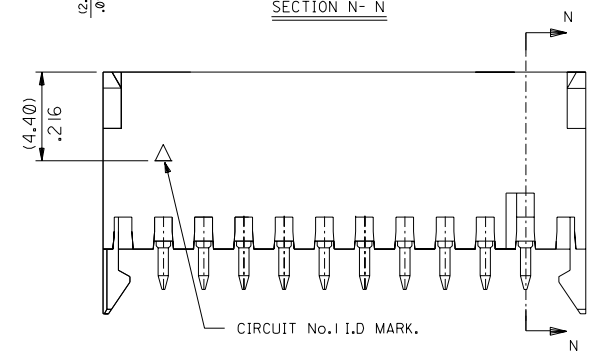
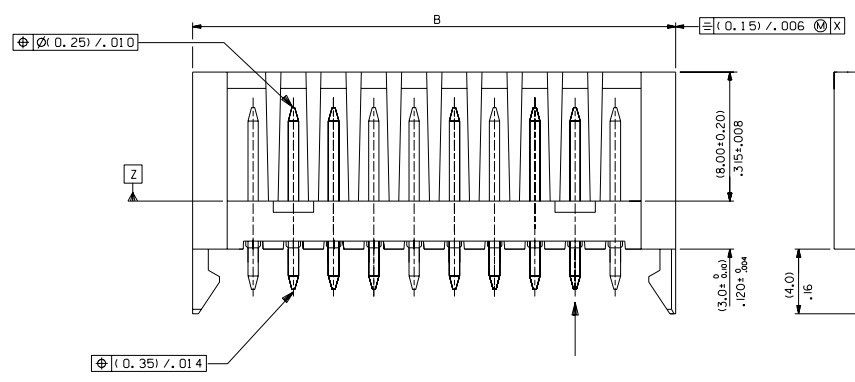
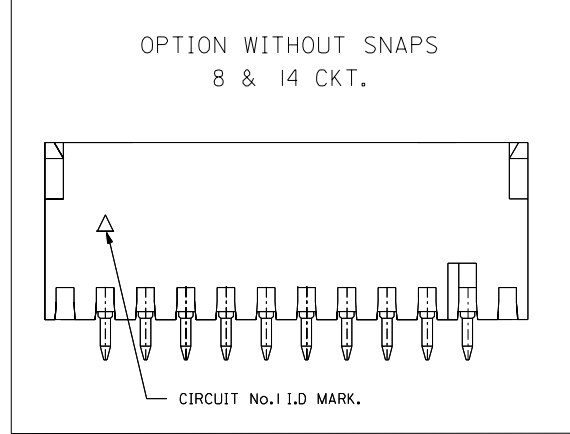
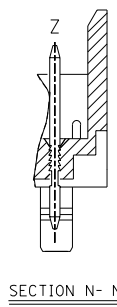
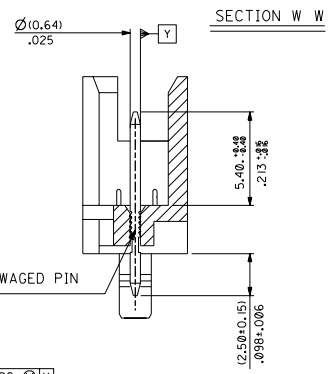
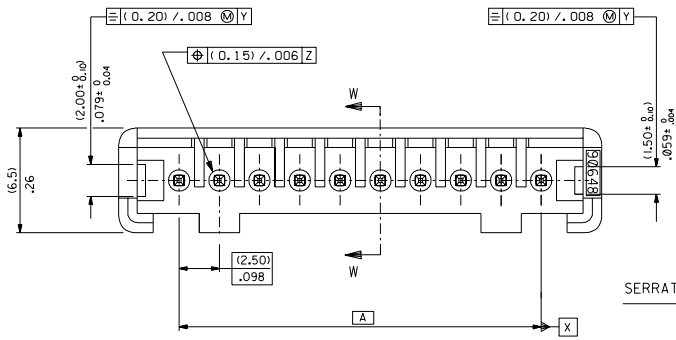
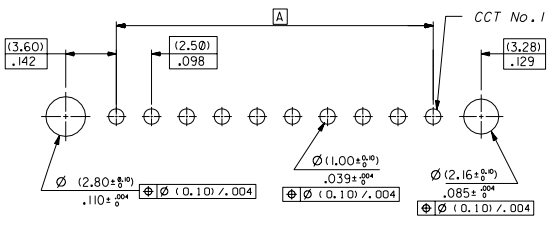


PART NO. SEE CHART  
 DWG. NO. SDA-90648



RECOMMENDED P.C.B. HOLE LAYOUT

PCB LAYOUT : COMPONENT SIDE  
 PCB THICKNESS 1.50 TO 1.60.



NOTES :

- MATERIAL  
 HEADER (2-6 CIRCUIT) : POLYESTER, UL 94V-0, G.E VALOX 310-SE0.  
 HEADER (7-20 CIRCUIT) : 15% GF NATURAL (WHITE) POLYESTER, RATED UL 94V-0  
 PINS: BRASS, PLATING: (3um)/.118uin MIN. TIN  
 TO 95/5 OVER (2um)/.078uin MIN. COPPER OR NICKEL.
- FOR ALL UNSTATED DIMENSIONS SEE SHEET 2.
- PIN PUSH OUT FORCE 35N MIN. IN DIRECTION OF ARROW Z.
- OPTIONS ADDED: 8 & 14ckt. WITHOUT SNAPS.

2	C
1	E

MODIFIED DIMS EC NO. E2004-1138 DRWN: DBYRNES 180504 CHK: BMAGUIRE 06/04/0 APPR: BMAGUIRE 06/04/0	QUALITY SYMBOLS MAJOR = CRITICAL =	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE 5:1	DESIGN UNITS <input type="checkbox"/> mm <input type="checkbox"/> INCH	THIRD ANGLE PROJECTION 	DIMENSIONS: <input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH <input type="checkbox"/> mm <input type="checkbox"/> ONLY	SHT 2	REV C
		4 PLACES ±0. ±. 3 PLACES ±0. ±.006 2 PLACES ±0. 0.15 ±.008 1 PLACE ±0. 0.25 ±. ANGULAR: ± 2°	DRAWN BY & DATE POB 13/10/90	TITLE: 2.5mm PITCH P.C.B. HEADER ASSEMBLY BOARD TO BOARD		CHECKED BY & DATE BMAGUIRE 13/10/90	APPROVED BY & DATE BMAGUIRE 13/10/90		MOLEX INCORPORATED
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	CAD FILENAME S90648X1.DGN	MATERIAL NO. SEE CHART	DRAWING NO. SDA-90648	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.		SHEET NO. 1 OF 2	SIZE B		

	10	9	8	7	6	5	4	3	2	1																																																																																																	
F	<div style="display: flex; justify-content: space-between;"> <div style="width: 15%;"> <table border="1" style="font-size: 8px;"> <tr><td style="font-size: 6px;">PART NO.</td><td style="font-size: 6px;">SEE CHART</td></tr> <tr><td style="font-size: 6px;">DWG. NO.</td><td style="font-size: 6px;">SDA-90648</td></tr> </table> </div> <div style="width: 70%;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">CCT SIZE</th> <th style="width: 20%;">PART NUMBER WITH SNAP-IN LATCHES</th> <th style="width: 15%;">A</th> <th style="width: 20%;">B</th> </tr> </thead> <tbody> <tr><td>■</td><td>90648-1002</td><td>(2.50)/.098</td><td>(10.00)/.394</td></tr> <tr><td>■</td><td>-1003</td><td>(5.00)/.197</td><td>(12.50)/.492</td></tr> <tr><td>■</td><td>-1004</td><td>(7.50)/.295</td><td>(15.00)/.591</td></tr> <tr><td>■</td><td>-1005</td><td>(10.00)/.394</td><td>(17.50)/.689</td></tr> <tr><td>■</td><td>-1006</td><td>(12.50)/.492</td><td>(20.00)/.787</td></tr> <tr><td>■</td><td>-1007</td><td>(15.00)/.591</td><td>(22.50)/.886</td></tr> <tr><td>■</td><td>-1008</td><td>(17.50)/.689</td><td>(25.00)/.984</td></tr> <tr><td>■</td><td>-1009</td><td>(20.00)/.787</td><td>(27.50)/1.083</td></tr> <tr><td>10</td><td>-1010</td><td>(22.50)/.886</td><td>(30.00)/1.181</td></tr> <tr><td>11</td><td>-1011</td><td>(25.00)/.984</td><td>(32.50)/1.280</td></tr> <tr><td>12</td><td>-1012</td><td>(27.50)/1.083</td><td>(35.00)/1.378</td></tr> <tr><td>13</td><td>-1013</td><td>(30.00)/1.181</td><td>(37.50)/1.476</td></tr> <tr><td>14</td><td>-1014</td><td>(32.50)/1.280</td><td>(40.00)/1.575</td></tr> <tr><td>15</td><td>-1015</td><td>(35.00)/1.378</td><td>(42.50)/1.673</td></tr> <tr><td>16</td><td>-1016</td><td>(37.50)/1.476</td><td>(45.00)/1.772</td></tr> <tr><td>17</td><td>-1017</td><td>(40.00)/1.575</td><td>(47.50)/1.870</td></tr> <tr><td>18</td><td>-1018</td><td>(42.50)/1.673</td><td>(50.00)/1.969</td></tr> <tr><td>19</td><td>-1019</td><td>(45.00)/1.772</td><td>(52.50)/2.067</td></tr> <tr><td>20</td><td>-1020</td><td>(47.50)/1.870</td><td>(55.00)/2.165</td></tr> </tbody> </table> </div> <div style="width: 15%;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">CCT SIZE</th> <th style="width: 20%;">PART NUMBER WITHOUT SNAP-IN LATCHES</th> <th style="width: 15%;">A</th> <th style="width: 20%;">B</th> </tr> </thead> <tbody> <tr><td>■</td><td>90648-2008</td><td>(17.50)/.689</td><td>(25.00)/.984</td></tr> <tr><td>14</td><td>-2014</td><td>(32.50)/1.280</td><td>(40.00)/1.575</td></tr> </tbody> </table> </div> </div> <div style="margin-top: 20px; text-align: center;"> <p>90648 - 20**</p> <p>WITHOUT SNAP-IN LATCHES      CIRCUIT SIZE</p> </div>										PART NO.	SEE CHART	DWG. NO.	SDA-90648	CCT SIZE	PART NUMBER WITH SNAP-IN LATCHES	A	B	■	90648-1002	(2.50)/.098	(10.00)/.394	■	-1003	(5.00)/.197	(12.50)/.492	■	-1004	(7.50)/.295	(15.00)/.591	■	-1005	(10.00)/.394	(17.50)/.689	■	-1006	(12.50)/.492	(20.00)/.787	■	-1007	(15.00)/.591	(22.50)/.886	■	-1008	(17.50)/.689	(25.00)/.984	■	-1009	(20.00)/.787	(27.50)/1.083	10	-1010	(22.50)/.886	(30.00)/1.181	11	-1011	(25.00)/.984	(32.50)/1.280	12	-1012	(27.50)/1.083	(35.00)/1.378	13	-1013	(30.00)/1.181	(37.50)/1.476	14	-1014	(32.50)/1.280	(40.00)/1.575	15	-1015	(35.00)/1.378	(42.50)/1.673	16	-1016	(37.50)/1.476	(45.00)/1.772	17	-1017	(40.00)/1.575	(47.50)/1.870	18	-1018	(42.50)/1.673	(50.00)/1.969	19	-1019	(45.00)/1.772	(52.50)/2.067	20	-1020	(47.50)/1.870	(55.00)/2.165	CCT SIZE	PART NUMBER WITHOUT SNAP-IN LATCHES	A	B	■	90648-2008	(17.50)/.689	(25.00)/.984	14	-2014	(32.50)/1.280	(40.00)/1.575	F
PART NO.											SEE CHART																																																																																																
DWG. NO.	SDA-90648																																																																																																										
CCT SIZE	PART NUMBER WITH SNAP-IN LATCHES	A	B																																																																																																								
■	90648-1002	(2.50)/.098	(10.00)/.394																																																																																																								
■	-1003	(5.00)/.197	(12.50)/.492																																																																																																								
■	-1004	(7.50)/.295	(15.00)/.591																																																																																																								
■	-1005	(10.00)/.394	(17.50)/.689																																																																																																								
■	-1006	(12.50)/.492	(20.00)/.787																																																																																																								
■	-1007	(15.00)/.591	(22.50)/.886																																																																																																								
■	-1008	(17.50)/.689	(25.00)/.984																																																																																																								
■	-1009	(20.00)/.787	(27.50)/1.083																																																																																																								
10	-1010	(22.50)/.886	(30.00)/1.181																																																																																																								
11	-1011	(25.00)/.984	(32.50)/1.280																																																																																																								
12	-1012	(27.50)/1.083	(35.00)/1.378																																																																																																								
13	-1013	(30.00)/1.181	(37.50)/1.476																																																																																																								
14	-1014	(32.50)/1.280	(40.00)/1.575																																																																																																								
15	-1015	(35.00)/1.378	(42.50)/1.673																																																																																																								
16	-1016	(37.50)/1.476	(45.00)/1.772																																																																																																								
17	-1017	(40.00)/1.575	(47.50)/1.870																																																																																																								
18	-1018	(42.50)/1.673	(50.00)/1.969																																																																																																								
19	-1019	(45.00)/1.772	(52.50)/2.067																																																																																																								
20	-1020	(47.50)/1.870	(55.00)/2.165																																																																																																								
CCT SIZE	PART NUMBER WITHOUT SNAP-IN LATCHES	A	B																																																																																																								
■	90648-2008	(17.50)/.689	(25.00)/.984																																																																																																								
14	-2014	(32.50)/1.280	(40.00)/1.575																																																																																																								
E											E																																																																																																
D											D																																																																																																
C											C																																																																																																
B											B																																																																																																
A	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">90648 - 10**</p> <p>WITH SNAP-IN LATCHES      CIRCUIT SIZE</p> </div> <div style="width: 45%;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <tr> <td rowspan="2" style="width: 10%; text-align: center;">SEE SHEET 1</td> <td style="width: 10%; text-align: center;">DIMENSIONS SHOWN ( METRIC ) INCH</td> <td style="width: 10%;">DRWG BY</td> <td colspan="2" style="text-align: center;">POB</td> </tr> <tr> <td style="font-size: 6px;">UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°</td> <td style="width: 10%;">CHK'D BY</td> <td colspan="2"></td> </tr> <tr> <td></td> <td style="text-align: center;">INCH ( METRIC )</td> <td style="width: 10%;">APP'D BY</td> <td colspan="2"></td> </tr> <tr> <td></td> <td>3 PLACE ± --</td> <td style="width: 10%;">SCALE</td> <td colspan="2" style="text-align: center;">--</td> </tr> <tr> <td></td> <td>2 PLACE ± -- ± --</td> <td colspan="3" rowspan="2" style="font-size: 6px;">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td> </tr> <tr> <td></td> <td>1 PLACE ± --</td> </tr> <tr> <td></td> <td>DESIGN DIMENSION <input checked="" type="checkbox"/> (MM) (PRIMARY) <input type="checkbox"/> IN.</td> <td colspan="3" rowspan="2" style="font-size: 6px;">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. &amp; SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td> </tr> <tr> <td></td> <td>EQUIVALENT DIMENSION <input type="checkbox"/> (MM) (SECONDARY) <input checked="" type="checkbox"/> IN.</td> </tr> </table> </div> </div> <div style="margin-top: 20px;"> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <tr> <td colspan="2" style="text-align: center;">REVISE ONLY ON CAD SYSTEM</td> <td style="width: 10%; text-align: center;">SH.</td> <td style="width: 10%; text-align: center;">REV.</td> </tr> <tr> <td style="width: 20%; font-size: 6px;">CAD/CAM FILENAME S90648X2 DCN</td> <td colspan="3" style="font-size: 6px;">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. &amp; SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td> </tr> <tr> <td colspan="4" style="text-align: center;">TITLE <b>2.5mm PITCH P.C.B HEADER ASSEMBLY BOARD TO BOARD</b></td> </tr> <tr> <td style="text-align: center;"> MOLEX EUROPE</td> <td style="width: 10%;">SHEET NO. 20F</td> <td colspan="2" style="width: 10%;">DATE 13/10/90</td> </tr> <tr> <td style="font-size: 6px;">PART NO. SEE CHART</td> <td style="font-size: 6px;">DWG NO. SDA-90648</td> <td style="width: 10%; text-align: center;">SIZE B</td> <td></td> </tr> </table> </div>										SEE SHEET 1	DIMENSIONS SHOWN ( METRIC ) INCH	DRWG BY	POB		UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°	CHK'D BY				INCH ( METRIC )	APP'D BY				3 PLACE ± --	SCALE	--			2 PLACE ± -- ± --	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				1 PLACE ± --		DESIGN DIMENSION <input checked="" type="checkbox"/> (MM) (PRIMARY) <input type="checkbox"/> IN.	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				EQUIVALENT DIMENSION <input type="checkbox"/> (MM) (SECONDARY) <input checked="" type="checkbox"/> IN.	REVISE ONLY ON CAD SYSTEM		SH.	REV.	CAD/CAM FILENAME S90648X2 DCN	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			TITLE <b>2.5mm PITCH P.C.B HEADER ASSEMBLY BOARD TO BOARD</b>				MOLEX EUROPE	SHEET NO. 20F	DATE 13/10/90		PART NO. SEE CHART	DWG NO. SDA-90648	SIZE B		A																																											
SEE SHEET 1	DIMENSIONS SHOWN ( METRIC ) INCH	DRWG BY	POB																																																																																																								
	UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°	CHK'D BY																																																																																																									
	INCH ( METRIC )	APP'D BY																																																																																																									
	3 PLACE ± --	SCALE	--																																																																																																								
	2 PLACE ± -- ± --	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																																																																																																									
	1 PLACE ± --																																																																																																										
	DESIGN DIMENSION <input checked="" type="checkbox"/> (MM) (PRIMARY) <input type="checkbox"/> IN.	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																																																																																																									
	EQUIVALENT DIMENSION <input type="checkbox"/> (MM) (SECONDARY) <input checked="" type="checkbox"/> IN.																																																																																																										
REVISE ONLY ON CAD SYSTEM		SH.	REV.																																																																																																								
CAD/CAM FILENAME S90648X2 DCN	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																																																																																																										
TITLE <b>2.5mm PITCH P.C.B HEADER ASSEMBLY BOARD TO BOARD</b>																																																																																																											
MOLEX EUROPE	SHEET NO. 20F	DATE 13/10/90																																																																																																									
PART NO. SEE CHART	DWG NO. SDA-90648	SIZE B																																																																																																									
7132-1283	10	9	8	7	6	5	4	3	2	1																																																																																																	