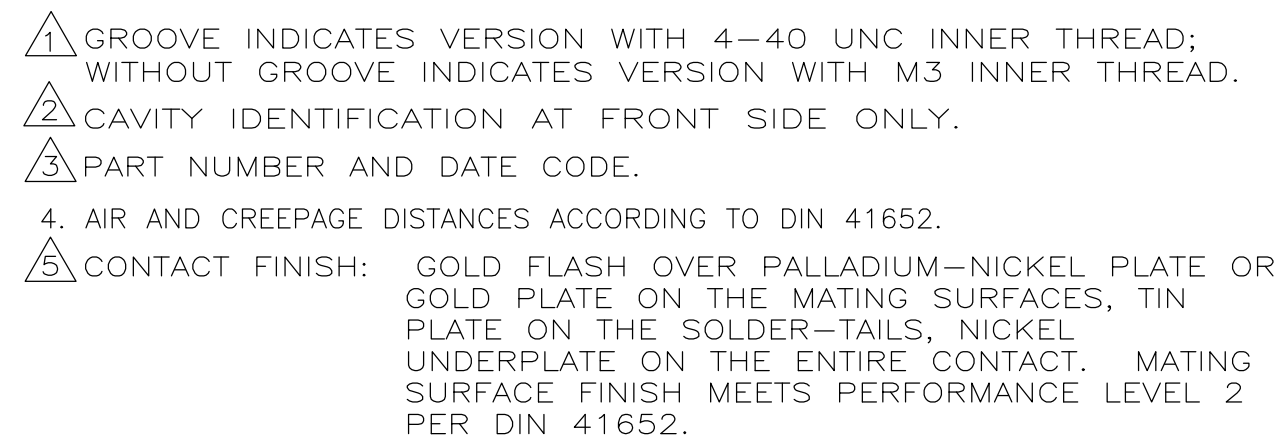
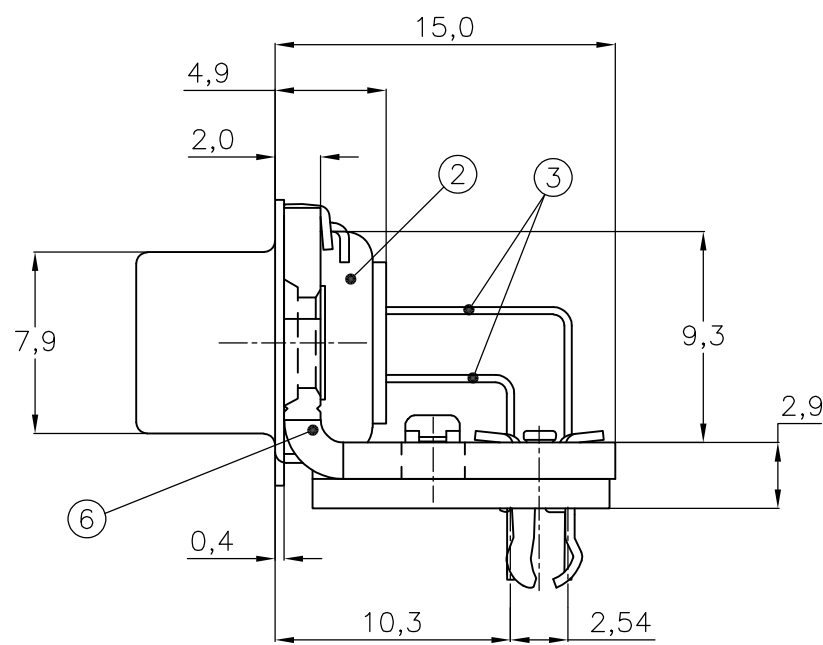




① SHELL	: BRIGHT TIN PLATED STEEL
② HOUSING	: GLASS FILLED POLYESTER, COLOR : BLACK
③ CONTACTS	: PHOSPHOR BRONZE (PLATING : SEE NOTES ABOVE)
④ FEMALE SCREWLOCK	: TIN PLATED STEEL (INNER THREAD 4-40 UNC OR M3)
⑤ BUSHING	: TIN PLATED STEEL (INNER THREAD 4-40 UNC OR M3 OR 3,1 DIA THROUGH-HOLE)
⑥ BRACKET	: TIN PLATED STEEL
⑦ BOARDLOCK	: TIN PLATED PHOSPHOR BRONZE
⑧ POST ALIGNMENT PLATE	: GLASS FILLED NYLON. COLOR : BLACK

Technical drawing of a connector assembly showing dimensions and tolerances. The drawing includes a central horizontal axis with a series of 12 circular features (pins) and two larger circular features (end connectors). Dimensions are provided in millimeters (mm) and tolerances are indicated in parentheses.

- Overall length: 33,3
- Distance from left end to first pin: 1,27
- Distance between pins: 1,37
- Distance from last pin to right end: 7,06
- Distance from left end to second-to-last pin: 2,74
- Distance from left end to last pin: 1,27
- Distance from right end to last pin: 7,06
- Distance from right end to second-to-last pin: 2,74
- Distance from right end to first pin: 1,27
- Distance from left end to second pin: 1,37
- Distance from right end to second pin: 1,37
- Distance from left end to third pin: 2,74
- Distance from right end to third pin: 2,74
- Distance from left end to fourth pin: 4,11
- Distance from right end to fourth pin: 4,11
- Distance from left end to fifth pin: 5,48
- Distance from right end to fifth pin: 5,48
- Distance from left end to sixth pin: 6,85
- Distance from right end to sixth pin: 6,85
- Distance from left end to seventh pin: 8,22
- Distance from right end to seventh pin: 8,22
- Distance from left end to eighth pin: 9,59
- Distance from right end to eighth pin: 9,59
- Distance from left end to ninth pin: 10,96
- Distance from right end to ninth pin: 10,96
- Distance from left end to tenth pin: 12,33
- Distance from right end to tenth pin: 12,33
- Distance from left end to eleventh pin: 13,70
- Distance from right end to eleventh pin: 13,70
- Distance from left end to twelfth pin: 15,07
- Distance from right end to twelfth pin: 15,07
- Distance from left end to thirteenth pin: 16,44
- Distance from right end to thirteenth pin: 16,44
- Distance from left end to fourteenth pin: 17,81
- Distance from right end to fourteenth pin: 17,81
- Distance from left end to fifteenth pin: 19,18
- Distance from right end to fifteenth pin: 19,18
- Distance from left end to sixteenth pin: 20,55
- Distance from right end to sixteenth pin: 20,55
- Distance from left end to seventeenth pin: 21,92
- Distance from right end to seventeenth pin: 21,92
- Distance from left end to eighteenth pin: 23,29
- Distance from right end to eighteenth pin: 23,29
- Distance from left end to nineteenth pin: 24,66
- Distance from right end to nineteenth pin: 24,66
- Distance from left end to twentieth pin: 26,03
- Distance from right end to twentieth pin: 26,03
- Distance from left end to twenty-first pin: 27,40
- Distance from right end to twenty-first pin: 27,40
- Distance from left end to twenty-second pin: 28,77
- Distance from right end to twenty-second pin: 28,77
- Distance from left end to twenty-third pin: 30,14
- Distance from right end to twenty-third pin: 30,14
- Distance from left end to twenty-fourth pin: 31,51
- Distance from right end to twenty-fourth pin: 31,51
- Distance from left end to twenty-fifth pin: 32,88
- Distance from right end to twenty-fifth pin: 32,88
- Distance from left end to twenty-sixth pin: 34,25
- Distance from right end to twenty-sixth pin: 34,25
- Distance from left end to twenty-seventh pin: 35,62
- Distance from right end to twenty-seventh pin: 35,62
- Distance from left end to twenty-eighth pin: 36,99
- Distance from right end to twenty-eighth pin: 36,99
- Distance from left end to twenty-ninth pin: 38,36
- Distance from right end to twenty-ninth pin: 38,36
- Distance from left end to thirtieth pin: 39,73
- Distance from right end to thirtieth pin: 39,73
- Distance from left end to thirty-first pin: 41,10
- Distance from right end to thirty-first pin: 41,10
- Distance from left end to thirty-second pin: 42,47
- Distance from right end to thirty-second pin: 42,47
- Distance from left end to thirty-third pin: 43,84
- Distance from right end to thirty-third pin: 43,84
- Distance from left end to thirty-fourth pin: 45,21
- Distance from right end to thirty-fourth pin: 45,21
- Distance from left end to thirty-fifth pin: 46,58
- Distance from right end to thirty-fifth pin: 46,58
- Distance from left end to thirty-sixth pin: 47,95
- Distance from right end to thirty-sixth pin: 47,95
- Distance from left end to thirty-seventh pin: 49,32
- Distance from right end to thirty-seventh pin: 49,32
- Distance from left end to thirty-eighth pin: 50,69
- Distance from right end to thirty-eighth pin: 50,69
- Distance from left end to thirty-ninth pin: 52,06
- Distance from right end to thirty-ninth pin: 52,06
- Distance from left end to fortieth pin: 53,43
- Distance from right end to fortieth pin: 53,43
- Distance from left end to forty-first pin: 54,80
- Distance from right end to forty-first pin: 54,80
- Distance from left end to forty-second pin: 56,17
- Distance from right end to forty-second pin: 56,17
- Distance from left end to forty-third pin: 57,54
- Distance from right end to forty-third pin: 57,54
- Distance from left end to forty-fourth pin: 58,91
- Distance from right end to forty-fourth pin: 58,91
- Distance from left end to forty-fifth pin: 60,28
- Distance from right end to forty-fifth pin: 60,28
- Distance from left end to forty-sixth pin: 61,65
- Distance from right end to forty-sixth pin: 61,65
- Distance from left end to forty-seventh pin: 63,02
- Distance from right end to forty-seventh pin: 63,02
- Distance from left end to forty-eighth pin: 64,39
- Distance from right end to forty-eighth pin: 64,39
- Distance from left end to forty-ninth pin: 65,76
- Distance from right end to forty-ninth pin: 65,76
- Distance from left end to fiftieth pin: 67,13
- Distance from right end to fiftieth pin: 67,13
- Distance from left end to fifty-first pin: 68,50
- Distance from right end to fifty-first pin: 68,50
- Distance from left end to fifty-second pin: 69,87
- Distance from right end to fifty-second pin: 69,87
- Distance from left end to fifty-third pin: 71,24
- Distance from right end to fifty-third pin: 71,24
- Distance from left end to fifty-fourth pin: 72,61
- Distance from right end to fifty-fourth pin: 72,61
- Distance from left end to fifty-fifth pin: 73,98
- Distance from right end to fifty-fifth pin: 73,98
- Distance from left end to fifty-sixth pin: 75,35
- Distance from right end to fifty-sixth pin: 75,35
- Distance from left end to fifty-seventh pin: 76,72
- Distance from right end to fifty-seventh pin: 76,72
- Distance from left end to fifty-eighth pin: 78,09
- Distance from right end to fifty-eighth pin: 78,09
- Distance from left end to fifty-ninth pin: 79,46
- Distance from right end to fifty-ninth pin: 79,46
- Distance from left end to sixtieth pin: 80,83
- Distance from right end to sixtieth pin: 80,83
- Distance from left end to sixty-first pin: 82,20
- Distance from right end to sixty-first pin: 82,20
- Distance from left end to sixty-second pin: 83,57
- Distance from right end to sixty-second pin: 83,57
- Distance from left end to sixty-third pin: 84,94
- Distance from right end to sixty-third pin: 84,94
- Distance from left end to sixty-fourth pin: 86,31
- Distance from right end to sixty-fourth pin: 86,31
- Distance from left end to sixty-fifth pin: 87,68
- Distance from right end to sixty-fifth pin: 87,68
- Distance from left end to sixty-sixth pin: 89,05
- Distance from right end to sixty-sixth pin: 89,05
- Distance from left end to sixty-seventh pin: 90,42
- Distance from right end to sixty-seventh pin: 90,42
- Distance from left end to sixty-eighth pin: 91,79
- Distance from right end to sixty-eighth pin: 91,79
- Distance from left end to sixty-ninth pin: 93,16
- Distance from right end to sixty-ninth pin: 93,16
- Distance from left end to seventieth pin: 94,53
- Distance from right end to seventieth pin: 94,53
- Distance from left end to seventy-first pin: 95,90
- Distance from right end to seventy-first pin: 95,90
- Distance from left end to seventy-second pin: 97,27
- Distance from right end to seventy-second pin: 97,27
- Distance from left end to seventy-third pin: 98,64
- Distance from right end to seventy-third pin: 98,64
- Distance from left end to seventy-fourth pin: 100,01
- Distance from right end to seventy-fourth pin: 100,01
- Distance from left end to seventy-fifth pin: 101,38
- Distance from right end to seventy-fifth pin: 101,38
- Distance from left end to seventy-sixth pin: 102,75
- Distance from right end to seventy-sixth pin: 102,75
- Distance from left end to seventy-seventh pin: 104,12
- Distance from right end to seventy-seventh pin: 104,12
- Distance from left end to seventy-eighth pin: 105,49
- Distance from right end to seventy-eighth pin: 105,49
- Distance from left end to seventy-ninth pin: 106,86
- Distance from right end to seventy-ninth pin: 106,86
- Distance from left end to eightieth pin: 108,23
- Distance from right end to eightieth pin: 108,23
- Distance from left end to eighty-first pin: 109,60
- Distance from right end to eighty-first pin: 109,60
- Distance from left end to eighty-second pin: 110,97
- Distance from right end to eighty-second pin: 110,97
- Distance from left end to eighty-third pin: 112,34
- Distance from right end to eighty-third pin: 112,34
- Distance from left end to eighty-fourth pin: 113,71
- Distance from right end to eighty-fourth pin: 113,71
- Distance from left end to eighty-fifth pin: 115,08
- Distance from right end to eighty-fifth pin: 115,08
- Distance from left end to eighty-sixth pin: 116,45
- Distance from right end to eighty-sixth pin: 116,45
- Distance from left end to eighty-seventh pin: 117,82
- Distance from right end to eighty-seventh pin: 117,82
- Distance from left end to eighty-eighth pin: 119,19
- Distance from right end to eighty-eighth pin: 119,19
- Distance from left end to eighty-ninth pin: 120,56
- Distance from right end to eighty-ninth pin: 120,56
- Distance from left end to ninetieth pin: 121,93
- Distance from right end to ninetieth pin: 121,93
- Distance from left end to one hundredth pin:

THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2009		DWN D. KESSLER 14JAN99 CHK W. SOOMERS APVD —		 TE Connectivity	
DIMENSIONS: mm 		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± — 1 PLC ± 0.3 2 PLC ± 0.15 3 PLC ± — 4 PLC ± — ANGLES ± 2°		NAME HD-20 SIZE 2 RIGHT ANGLE RECEPTACLE HEADER; MARK II	
MATERIAL —		FINISH —		WEIGHT — SIZE A2 GAGE CODE 00779 DRAWING NO. C-106506 RESTRICTED TO —	
CUSTOMER DRAWING				SCALE NTS	SHEET 1 of 1 REV M

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