

**PART NUMBER CODING**

**G E DHHN-T9 1**

**MATERIAL (INSULATOR / CONTACT)**

G = NYLON 9T / PHOSPHOR BRONZE

**PLATING**

(ALL PLATINGS ARE LEAD FREE AND HAVE 50µ" NICKEL UNDERPLATE)

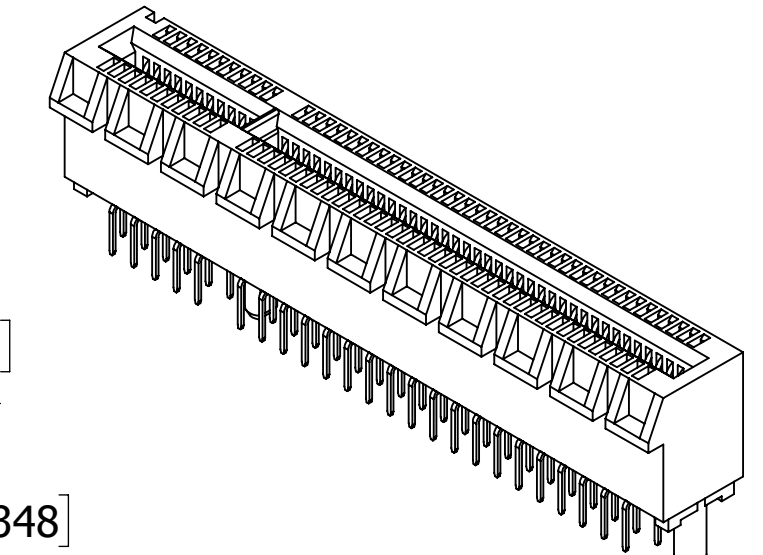
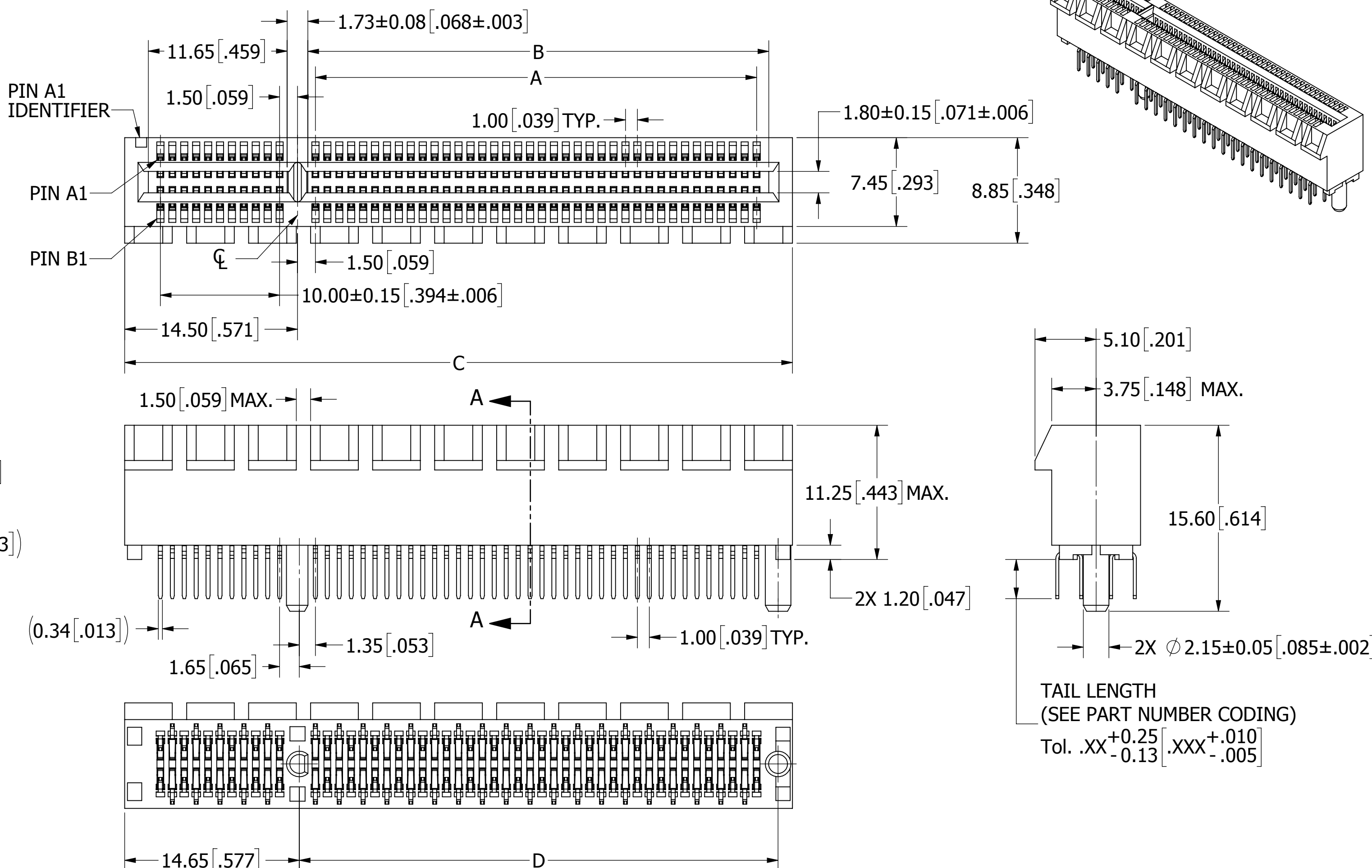
CONTACT SURFACE	TERMINATION
W = GOLD FLASH	.000100" PURE TIN, MATTE
B = .000010" GOLD	.000100" PURE TIN, MATTE
C = .000030" GOLD	.000100" PURE TIN, MATTE

**POSITIONS**  
18  
32  
49  
82

**COLOR**  
1 = BLACK

**TAIL LENGTH**  
1 = 2.30[.091] (FOR 1.57[.062] PCB)  
2 = 2.54[.100] (FOR 1.57[.062] PCB)  
3 = 3.10[.122] (FOR 2.36[.093] PCB)

REVISIONS				
REV.	ECO. NO	DESCRIPTION	DATE	BY
H	2920	REMOVE MATERIAL CODE 'N'	2/13/2014	JHSU
J	3048	ADD NOTE 13 FOR 'N' MATERIAL CODE	8/12/2014	JHSU
K	3665	UPDATE PROCESSING TEMPERATURE	04/20/2017	LH



SECTION A-A

- NOTES:**
1. INSULATOR MATERIAL: NYLON 9T, UL 94V-0.
  2. CONTACT MATERIAL: PHOSPHOR BRONZE.
  3. CONTACT PLATING: SEE PART NUMBER CODING.
  4. CURRENT RATING: 1.1 AMP PER CONTACT.
  5. VOLTAGE RATING 50 V AC.
  6. INSULATOR RESISTANCE: 1000 MEGOHMS MIN.
  7. CONTACT RESISTANCE: 30 MILLI OHMS MAX.
  8. DIELECTRIC WITHSTANDING: 500 V AC.
  9. INSERTION FORCE: 117.3gf (1.15 N) MAX PER CONTACT PAIR USING A 1.70 mm (.067") STEEL CARD.
  10. WITHDRAWAL FORCE: 15.31gf (0.15 N) MIN PER CONTACT PAIR USING A 1.44 mm (.057") STEEL CARD.
  11. OPERATING TEMPERATURE: -10° C TO +85° C.
  12. PROCESSING TEMP: WAVE/MANUAL SOLDERING ONLY.
  13. MATERIAL CODE 'N' EQUIVALENT TO 'G'.

PART NUMBER	POSITIONS/ CONTACTS	A ± 0.15 [.006]		B +0.20/-0.15 [+ .008/- .006]		C ± 0.30 [.012]		D ± 0.10 [.004]	
		MM	[INCH]	MM	[INCH]	MM	[INCH]	MM	[INCH]
G_E18DHHN-T9_1	18/36	6.00	0.236	7.65	0.301	25.00	0.984	9.15	0.360
G_E32DHHN-T9_1	32/64	20.00	0.787	21.65	0.852	39.00	1.535	23.15	0.911
G_E49DHHN-T9_1	49/98	37.00	1.457	38.65	1.522	56.00	2.205	40.15	1.581
G_E82DHHN-T9_1	82/164	70.00	2.756	71.65	2.821	89.00	3.504	73.15	2.880



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MM[INCHES]

TOLERANCES:  
ANGULAR: ± 3°  
DECIMALS  
.X = ± 0.35 [.014]  
.XX = ± 0.25 [.010]  
.XXX = ± 0.08 [.0031]

DRAWN: 03/09/2009, NAME: JH

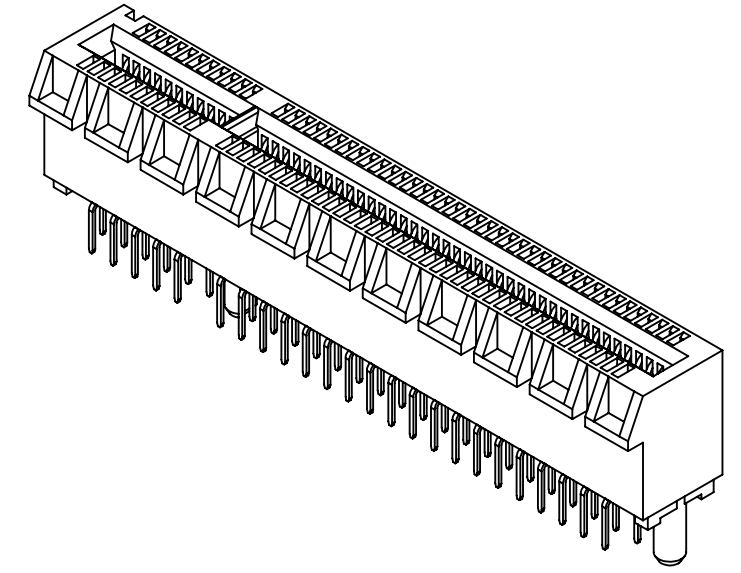
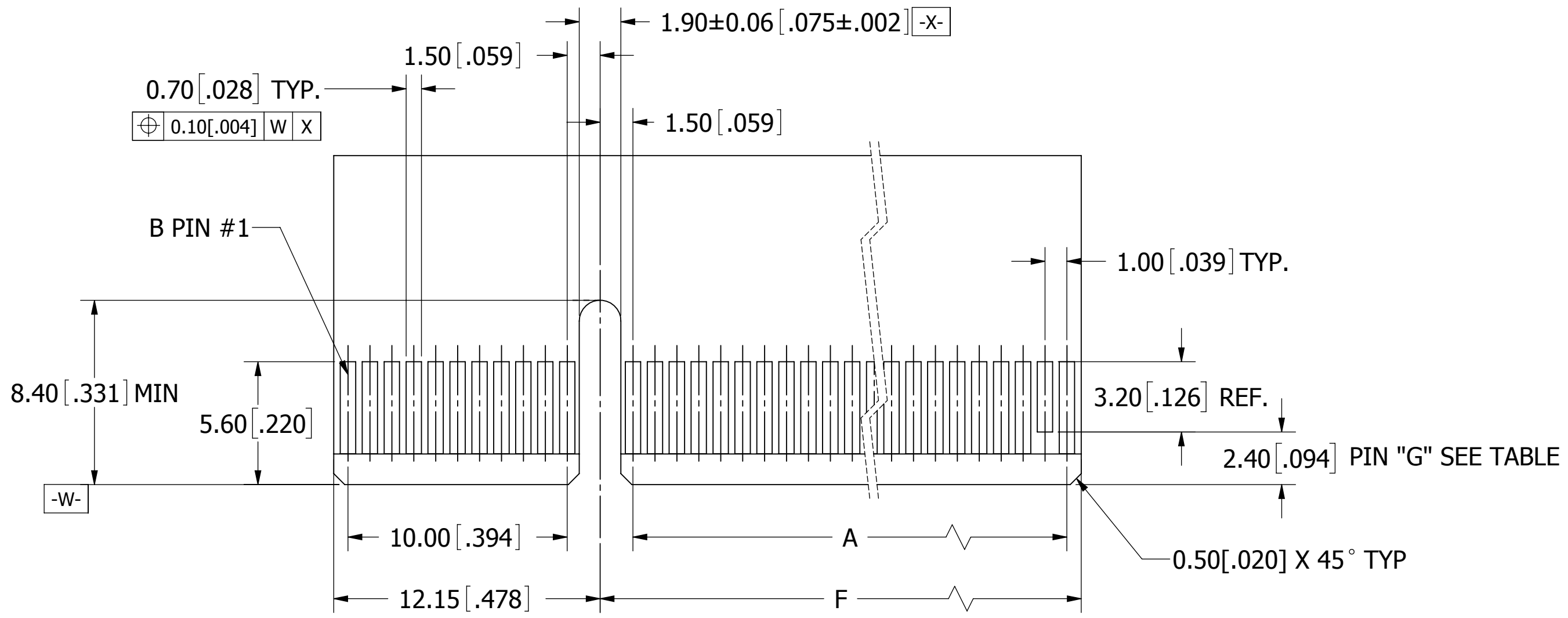
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**SULLINS CONNECTOR SOLUTIONS**

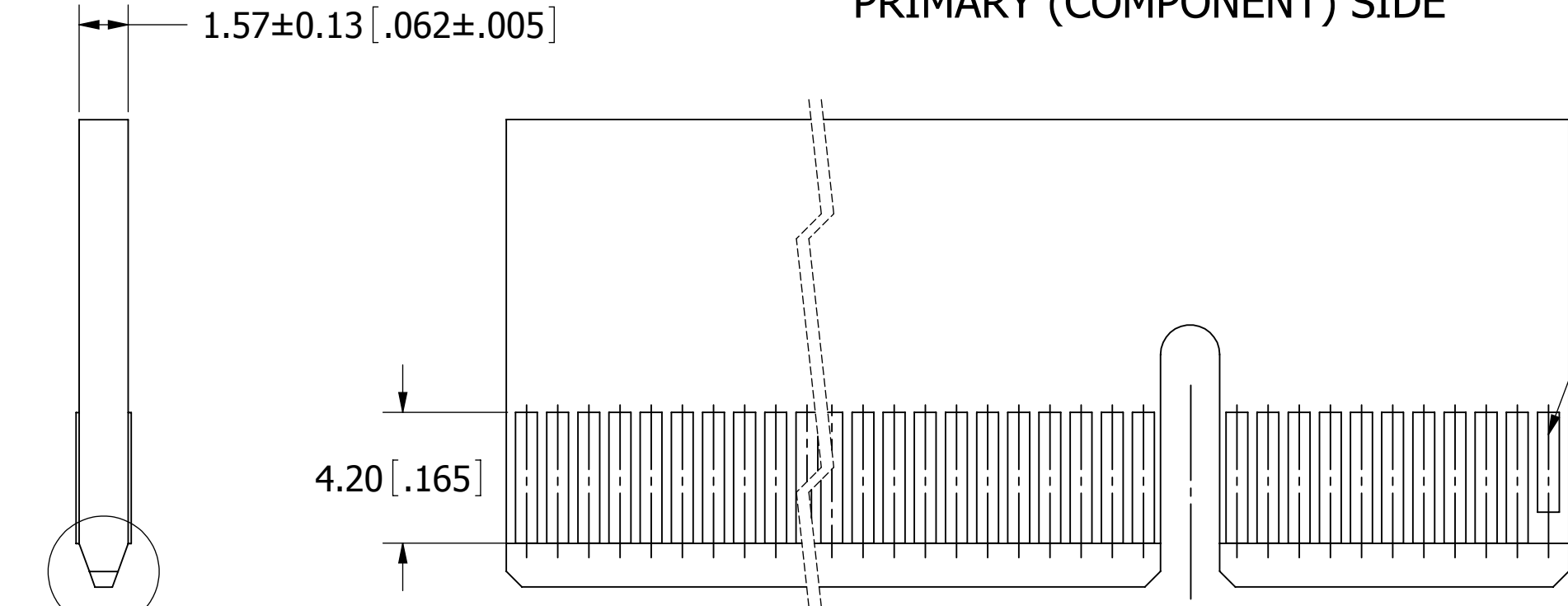
TITLE: PCI EXPRESS, 1mm CC, DIP SOLDER(GEN 1)  
PART NUMBER: G\_E\_DHHN-T9\_1

SIZE: C, CAGE CODE: 54453, DWG. NO.: 11045, REV: K

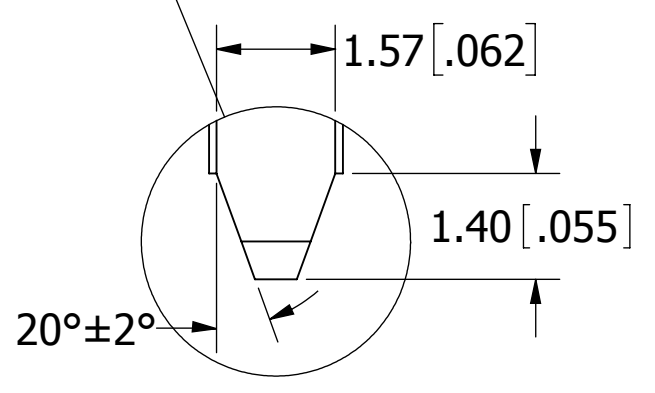
SCALE: 3.5:1, SHEET 1 OF 2



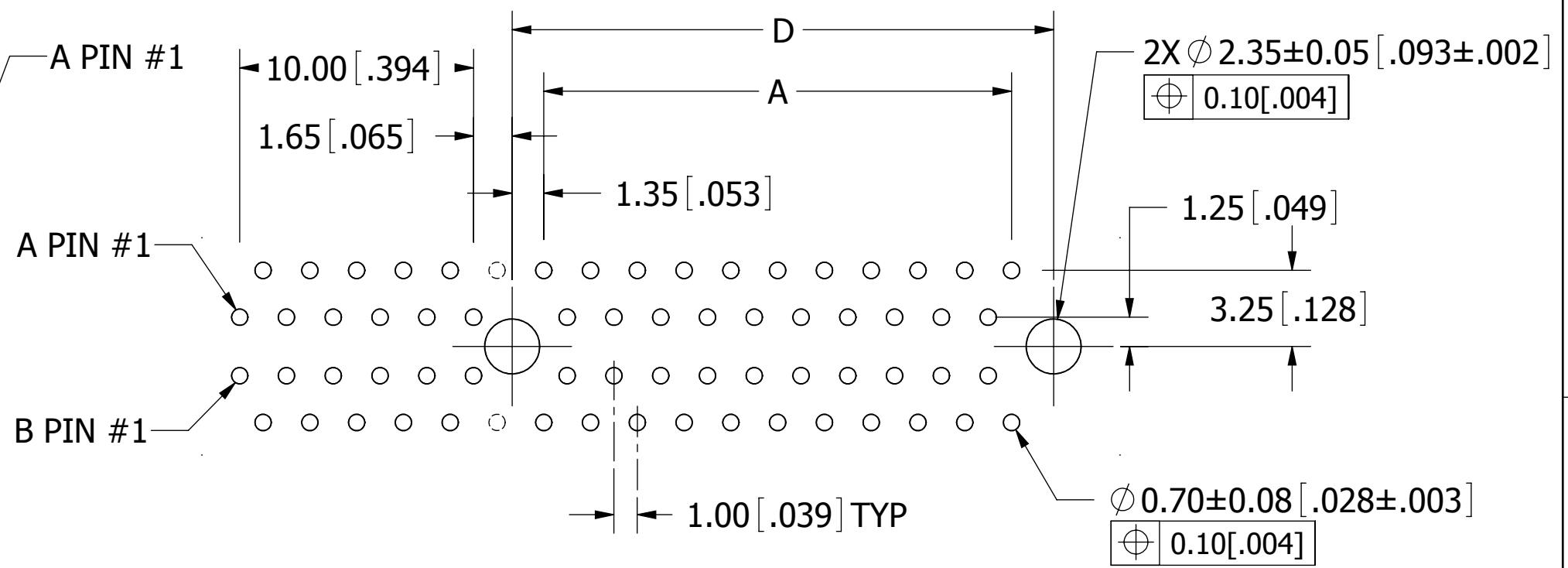
I/O PANEL DIRECTION  
PRIMARY (COMPONENT) SIDE



I/O PANEL DIRECTION  
SECONDARY (SOLDER) SIDE



**ADD-IN CARD EDGE-FINGER DIMENSIONS**



**RECOMMENDED PCB LAYOUT  
(TOLERANCE: ± 0.05 [.002])**

DETAIL A  
SCALE 10 : 1

PART NUMBER	POSITIONS/ CONTACTS	A		D ± 0.10 [.004]		F ± 0.13 [.005]		PIN "G"
		MM	[INCH]	MM	[INCH]	MM	[INCH]	
G_E18DHHN-T9_1	18/36	6.00	0.236	9.15	0.360	8.15	0.321	B17
G_E32DHHN-T9_1	32/64	20.00	0.787	23.15	0.911	22.15	0.872	B31
G_E49DHHN-T9_1	49/98	37.00	1.457	40.15	1.581	39.15	1.541	B48
G_E82DHHN-T9_1	82/164	70.00	2.756	73.15	2.880	72.15	2.841	B81



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MM[INCHES]	DRAWN	DATE	NAME	
		03/09/2009	JH	
TOLERANCES: ANGULAR: ± 3°  DECIMALS .X = ± 0.35 [.014] .XX = ± 0.25 [.010] .XXX = ± 0.08 [.0031]	<small>THE INFORMATION HEREIN CONTAINS PROPRIETARY INFORMATION OF SULLINS ELECTRONICS AND IS NOT TO BE REPRODUCED, USED OR DISCLOSED TO OTHERS FOR ANY PURPOSE EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY AN OFFICER OF SULLINS ELECTRONICS.</small>			<b>TITLE</b> PCI EXPRESS, 1mm CC, DIP SOLDER(GEN 1)
				<b>PART NUMBER</b> G_E_DHHN-T9_1
	SIZE	CAGE CODE	DWG. NO.	REV
	C	54453	11045	K
SCALE: 2:1			SHEET 2 OF 2	