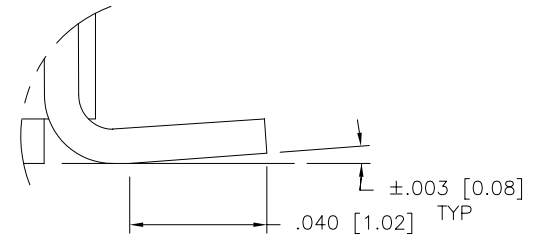
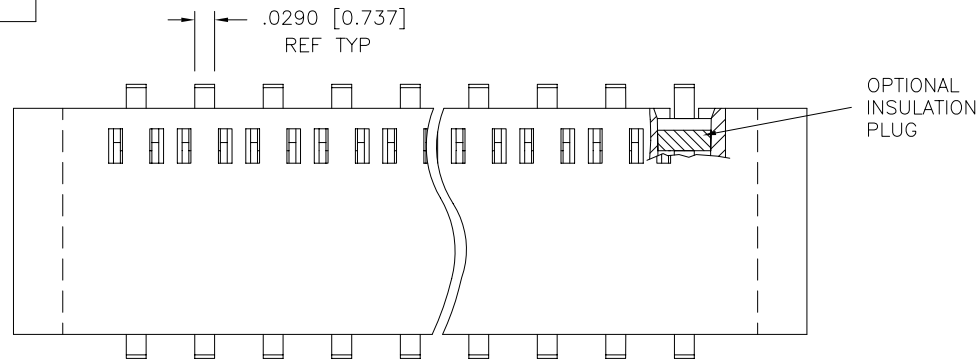




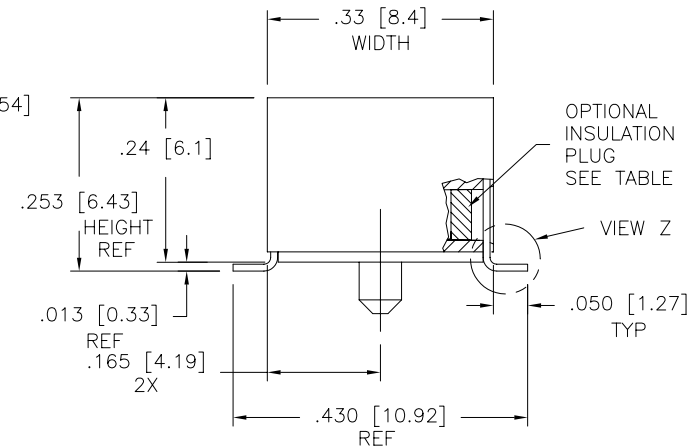
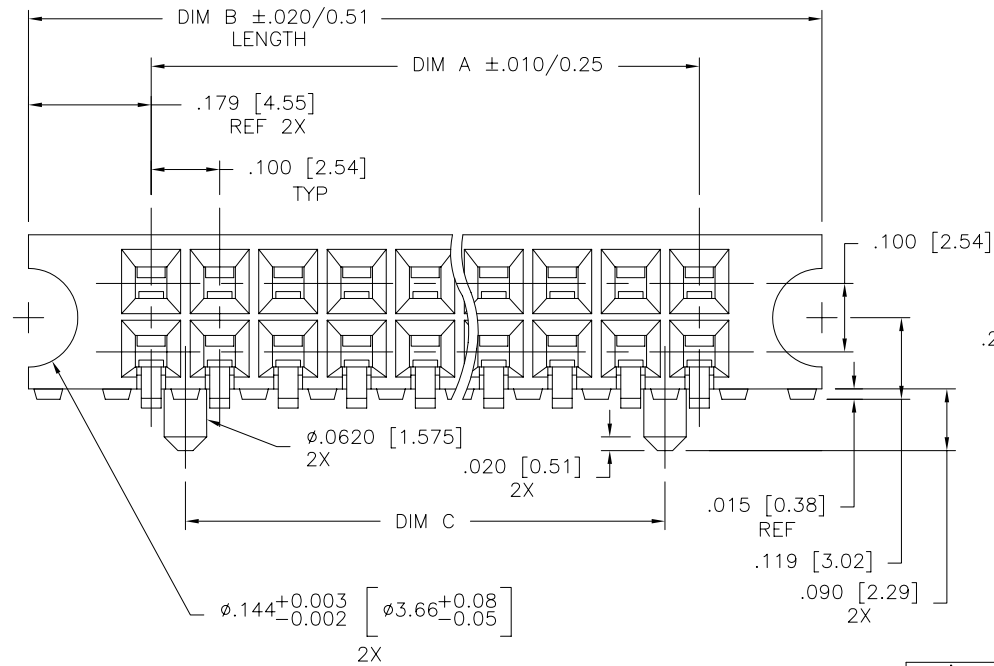
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PRODUCT NUMBER
SEE TABLE



VIEW Z
SCALE 5:1



mat'l. code				surface	tolerance	projection	product family
-				ISO 1302	ISO 406 ISO 1101		CARD CONN
ltr	ecn	no	dr	date	tolerances unless otherwise specified	INCH/MM scale 4:1 	title
C	V20576	GIP	03/26/02	angles	linear		GUIDE PIN
D	V20657	GIP	04/12/02				CARD CONN. SMT W/PEG
E	V20945	LP	05/17/02	$\sigma \pm 2'$			sheet 1 of 3 size
F	V20974	LP	6/14/02	dr	E.Kropiewnicki		98190 A3
G	M05-0181	MHT	8/22/05	enr	H. SUNDY	type	Product Customer Drawing
H	M06-0117	ERE	06/07/06	chr	H. SUNDY		
J	M07-0137	MHT	2/26/07	appd	H. SUNDY		
sheet	revision	J	J	J			
index	sheet	1	2	3			

form: A3

PRODUCT NUMBER	NO. OF POS.	DIM. A	DIM. B	DIM. C	INSULATION PLUG	LEAD FREE OPTION
98190-001	2X18	1.70/43.1	2.058/52.27	1.600/47.64	NO	NOTE 7,8
98190-002	2X6	0.500/12.70	0.858/21.79	0.400/10.16	NO	
98190-003	2X8	0.700/17.78	1.058/26.87	0.600/15.24	NO	
98190-004	2X12	1.100/37.94	1.458/37.03	1.000/25.40	NO	
98190-005	2X25	2.400/60.96	2.758/70.05	2.300/58.42	NO	
98190-002P	2X6	0.500/12.70	0.858/21.79	0.400/10.16	NO	NOTE 7,8
98190-003P	2X8	0.700/17.78	1.058/26.87	0.600/15.24	NO	

SEE NOTE 6

SEE NOTE 6

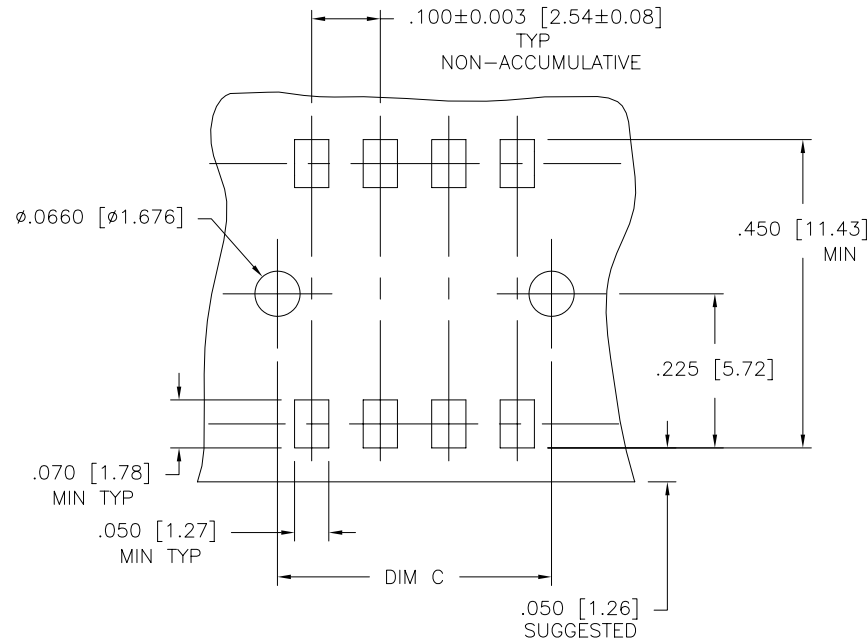


FIGURE 1

NOTES.

- HOUSING MATERIAL.
FILLED HIGH TEMPERATURE NYLON
PER UL 94V-0
COLOR. BLACK
- TERMINAL MATERIAL.
BODY. BRASS. .010/.25 THICK.
SPRING. BE-CU. HEAT TREATED
BODY PLATING.
40 MICROINCH / 1.02 MICRON GOLD
OVER 50 MICROINCH / 1.27 MICRON NICKEL IN CONTACT AREA.
SOLDER TAIL. 100u"/2.54u Sn (NOTE 10) OVER 50u"/1.27 Ni.
SPRING PLATING. GOLD FLASH
- APPLICATION INFORMATION.
A. RECOMMENDED MOUNTING HOLE PATTERN IS SHOWN IN FIG. 1.
B. ALL MATING PINS TO BE .025/.64 SQUARE ON TRUE CENTER OF GIVEN TERMINAL SPACINGS WITHIN .015/.38 DIA.
C. SUGGESTED MATING PIN LENGTH .350±.020/8.89±.51.
- TAPE AND REEL PACKAGE PER GES-14-334.
- ADD SUFFIX "P" TO PART DASH NUMBER AS FOURTH DIGIT FOR TAPE & REEL PACKAGING.
- CARRIER TAPE WIDTH 44mm WITH POCKET PITCH OF 20mm .

- ADD "LF" SUFFIX AT THE END OF PART NUMBER FOR LEAD FREE OPTION.
- THESE PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008
- THIS PART WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 20 SECONDS IN A WAVE SOLDER, INFRA-RED OR VAPOR PHASE SOLDER PROCESS.
- THIS PRODUCT HAS 100% TIN PLATING IN THE INTERFACE AND HAS NOT BEEN TESTED FOR WISKER GROWTH IN ALL INTERCONNECT REQUIREMENTS

mat'l. code				surface	tolerance	projection	product family
-				ISO 1302 ✓	ISO 406 ISO 1101	⊕	CARD CONN
ltr	ecn	no	dr	date	tolerances unless otherwise specified	INCH/MM	title
J					angles linear .XX ±.01/.3	scale 4:1	GUIDE PIN
					.XXX ±.005/.13		CARD CONN. SMT W/PEG
					0°±2° .XXXX ±.0020/.051		dwg no
			dr	E.Kropiewnicki	4/27/99	FCI	sheet 2 of 3 size
			enr	H. SUNDY	4/27/99		98190
			chr	H. SUNDY	4/27/99		A3
			appd	H. SUNDY	4/27/99		type Product Customer Drawing
sheet index	revision sheet						

form: A3

1 2 3 4 5 6

A

B

C

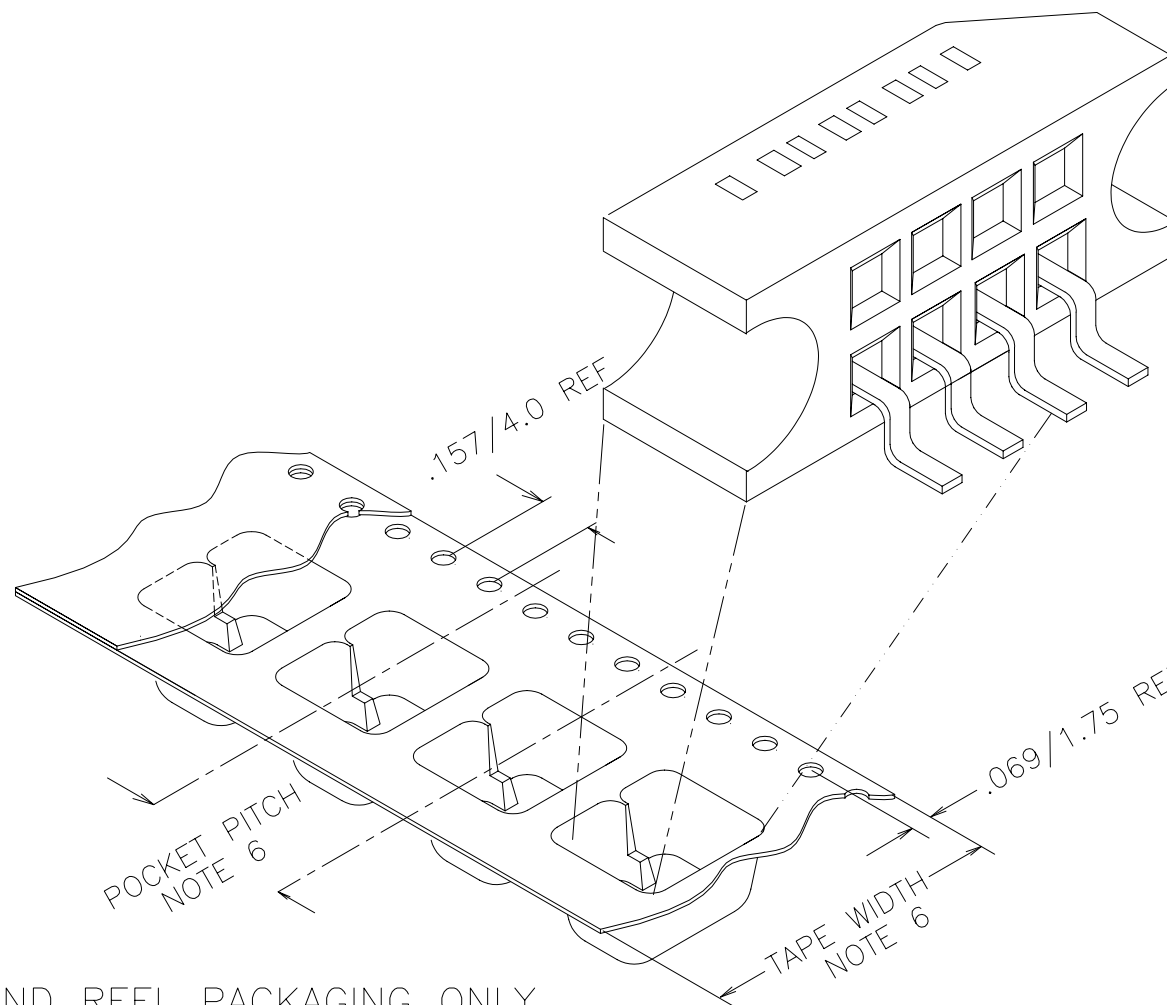
D

A

B

C

D



TAPE AND REEL PACKAGING ONLY
SEE NOTE 4

mat'l. code				surface	tolerance	projection	product family
-				ISO 1302 ✓	ISO 406 ISO 1101	⊕	CARD CONN
ltr	ecn	no	dr	date	tolerances unless otherwise specified	INCH/MM	title
J					linear	scale 4:1	GUIDE PIN
					angles		CARD CONN. SMT W/PEG
					0°±2°		dwg no
							98190
					dr		sheet 3 of 3 size
					enr		A3
					chr		type
					appd		Product Customer Drawing
sheet	revision						
index	sheet						

form: A3

1 2 3 4 5 6