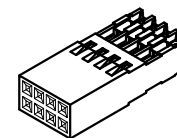
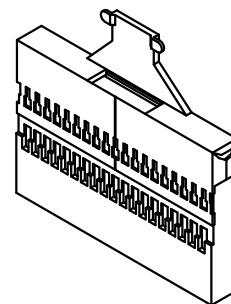
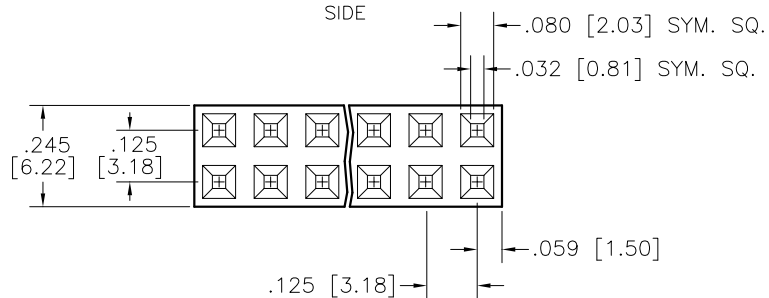
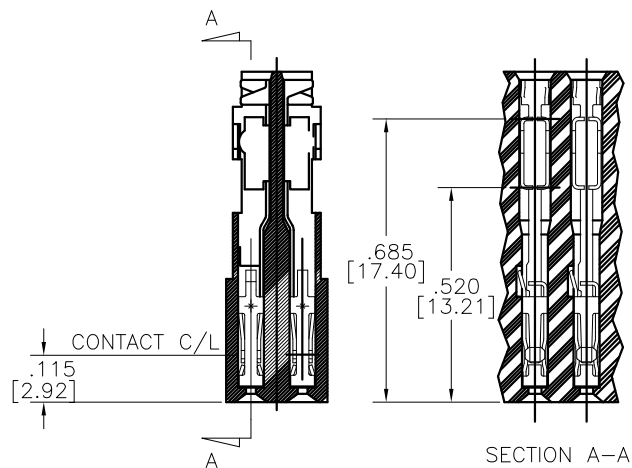
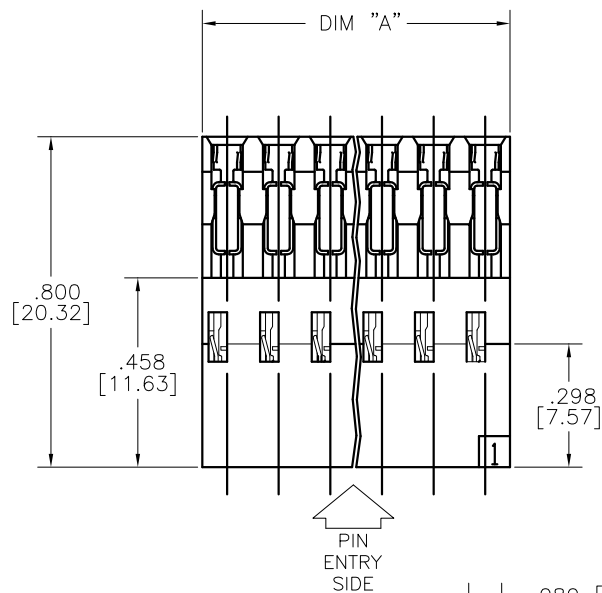
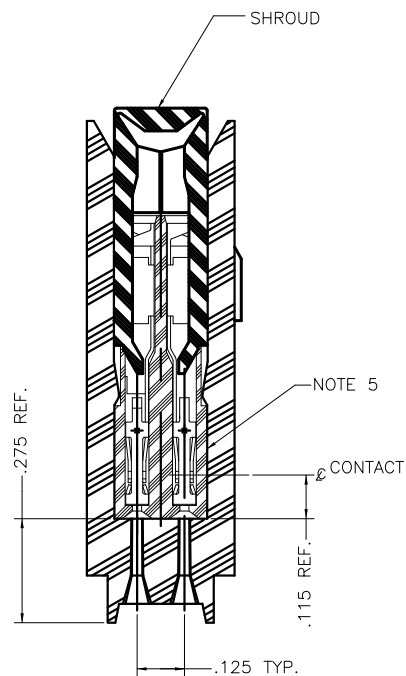
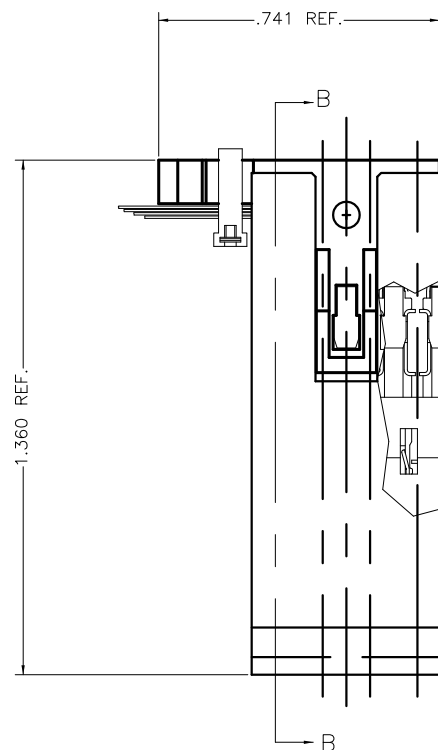


PRODUCT NUMBER
SEE TABLE



mat'l. code SEE NOTE 1				surface ASME Y14.5	tolerance ASME Y14.5	projection	product family NORCON
ltr	ec'n no	dr	date	angles	tolerances unless otherwise specified	INCH/MM	title
B	V05-0882	HTB	2005-09-15				CABLE CONNECTORS
C	V06-0233	HTB	2006-03-09		XXX+.005/XX+.13		CID02 2x4 to 2x20 .125" GRID
D	V06-0662	JRV	2006-07-10			scale N.T.S.	
E	V06-0988	HTB	2006-09-26	dr	T. BREWBAKER	2005-09-15	dwg no
F	V07-0217	HTB	2007-03-09	engr	T. BREWBAKER	2005-09-15	sheet 1 of 3
G	V09-0115	HTB	2009-03-23	chr	T. BREWBAKER	2005-09-15	size
				appd	T. BREWBAKER	2005-09-15	A4
sheet	revision	G	G	G			type
index	sheet	1	2	3			CUSTOMER Drawing

PRODUCT NUMBER
 SEE TABLE


SECT. "B-B"

SPECIFICATIONS—MECHANICAL:

- * INSERTION FORCE — 150 G/CONTACT MAX
- * WITHDRAWAL FORCE: 20 G/CONTACT MIN
- * CONTACT RETENTION: 1200 G/CONTACT MIN
- * CONTACT NORMAL FORCE: 120 G/CONTACT MIN
- * DURABILITY — 200 CYCLES
- * OPERATING TEMPERATURE: -55°C TO +85°C

SPECIFICATIONS—ELECTRICAL:

- * CURRENT RATING(CONTINUOUS): 1 AMP/CONTACT MAX
- * CONTACT RESISTANCE: 20 MILLIOHMS MAX
- * INSULATION RESISTANCE: 5000 MEGOHMS MIN
- * DIELECTRIC WITHSTAND VOLTAGE: 1000V RMS

ASSOCIATED COMPONENTS:

- * APPLICATION TOOLING
 NT-230 DESKTOP SEMI-AUTOMATIC CRIMPING MACHINE
 HT-1038E CRIMPING HAND TOOL

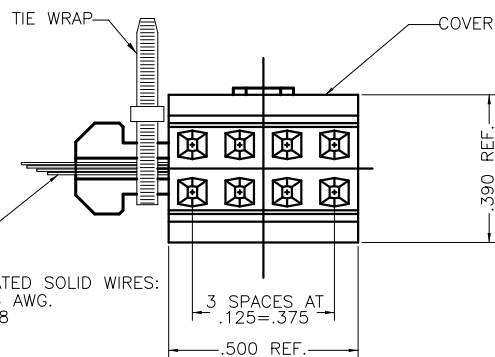
- * COVERS: SEE DRAWING 54323
- * POLARIZED COVERS: SEE DRAWING 54323
- * 2x12 COVER: SEE DRAWING 54324
- * 2x32 COVERS: SEE DRAWING 54325
- * 2x4 90° ENTRY COVER: SEE DRAWING 54326
- * 2x20 90° ENTRY COVER: SEE DRAWING 54327
- * 2x4 SHROUD: SEE DRAWING 54363

OPTIONS:

- * SHORTED POSITIONS SEE DRAWING 54322

FEATURES:

- * .125" (3.175 mm) GRID — 2 ROWS
- * 8 TO 40 CONTACTS
- * STACKABLE BOTH SIDE BY SIDE AND END TO END
- * BIFURCATED CONTACT DESIGN (N/S ORIENTATION)
- * SELECTIVELY PLATED GOLD CONTACT
- * POLARIZED KEYING FEATURES AVAILABLE (ON COVER)
- * IDC WITH STRAIN RELIEF FOR 24-26 AWG WIRE
- * INTENDED FOR USE WITH .025/0.64 SQUARE PINS

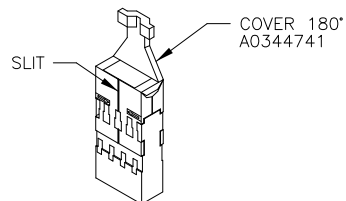


mat'l. code	surface	tolerance	projection	product family
SEE NOTE 1	ASME Y14.5	ASME Y14.5		NORCON
ltr ecn no dr date	tolerances unless otherwise specified			title
G	angles	XXX+.005/XX+.13	INCH/MM	CABLE CONNECTORS
			scale N.T.S.	CID02 2x4 to 2x20 .125" GRID
	dr T. BREWBAKER	2005-09-15		dwg no
	engr T. BREWBAKER	2005-09-15		sheet 2 of 3
	chr T. BREWBAKER	2005-09-15		size
	appd T. BREWBAKER	2005-09-15		A4
sheet index	revision sheet			type CUSTOMER Drawing

PRODUCT NO.	ENG. CODE	DESCRIPTION	DIM "A"	NOTES
A0329308	CID02BA40AB00LN	40 POSITIONS (2x20)	2.494" [63.35]	OBSOLETE
A0329308LF	—	40 POSITIONS (2x20)	2.494" [63.35]	NOTE 3
A0329309	CID02BA32AB00LN	32 POSITIONS (2x16)	1.994" [50.65]	OBSOLETE
A0329309LF	—	32 POSITIONS (2x16)	1.994" [50.65]	NOTE 3
A0329310	CID02BA20AB00LN	20 POSITIONS (2x10)	1.244" [31.60]	OBSOLETE
A0329310LF	—	20 POSITIONS (2x10)	1.244" [31.60]	NOTE 3
A0329311	CID02BA16AB00LN	16 POSITIONS (2x8)	.944" [25.25]	OBSOLETE
A0329311LF	—	16 POSITIONS (2x8)	.944" [25.25]	NOTE 3
A0329312	CID02BA08AB00LN	8 POSITIONS (2x4)	.494" [12.55]	—
A0329312LF	—	8 POSITIONS (2x4)	.494" [12.55]	NOTE 3

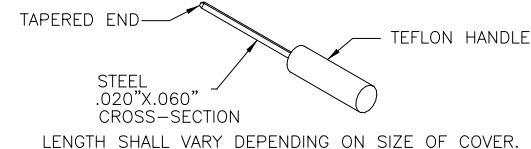
NOTES:

- ① HOUSING MATERIAL: PBT, GLASS FIBER REINFORCED, FLAME RETARDANT PER UL 94V-0, COLOR: BLACK.
TERMINAL MATERIAL: CA510 ALLOY
CONTACT FINISH: 50u"/1.27u Au
CONTACT UNDERPLATE: 100u"/2.54u Ni
IDC FINISH: 50u"/1.27u Ni
OVERALL UNDERPLATE: 20u"/0.51u Ni
2. PACKAGED IN ANTI-STATIC TRAYS.
- ③ PART NUMBERS WITH AN LF SUFFIX MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
4. THIS PRODUCT IS NOT INTENDED TO BE EXPOSED TO MANUFACTURING SOLDER PROCESSES.
- ⑤ A0329312 TYPE CONNECTOR ONLY DEPICTED TO SHOW METHOD OF MOUNTING COVER AND SHROUD TO CONNECTOR.
6. A0344741 TYPE COVER ALSO INTENDED FOR USE ONLY WITH A0329312 TYPE CONNECTOR, FOR 180° HARNESSING AS PER ILLUSTRATION.



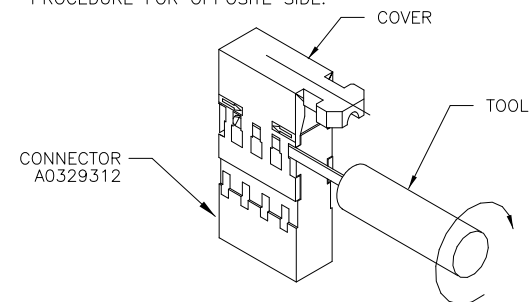
7. THE FOLLOWING IS THE RECOMMENDED TOOL AND METHOD FOR REMOVING THE COVER:

— EXTRACTION TOOL



— METHOD OF COVER REMOVAL

INSERT EXTRACTION TOOL BETWEEN COVER & BODY ENTERING WINDOW AS MARKED (←). SLIDE TOOL AND GRADUALLY ROTATE HANDLE CLOCKWISE TO RELEASE COVER. REPEAT PROCEDURE FOR OPPOSITE SIDE.



IT IS NOT RECOMMENDED THAT THE COVER BE REMOVED WHILE CONNECTOR IS IN USE.

- ⑧ THIS CONNECTOR WILL ACCEPT A MAXIMUM OF 8 DISCRETE SOLID WIRES. MAXIMUM INSULATED CONDUCTOR DIAMETER FOR 24 AWG. IS .045 INCH.

mat'l. code	SEE NOTE 1	surface	tolerance	projection	product family
ltr	ecr no	dr	date	ASME Y14.5	NORCON
G				ASME Y14.5	
				tolerances unless otherwise specified	
				angles	
				XXX+.005/XX+.13	
				INCH/MM	
				scale N.T.S.	
		dr	T. BREWBAKER	2006-03-09	
		engr	T. BREWBAKER	2006-03-09	
		chr	T. BREWBAKER	2006-03-09	
		appd	T. BREWBAKER	2006-03-09	
sheet	revision				
index	sheet				

title
CABLE CONNECTORS
CID02 2x4 to 2x20 .125" GRID
dwg no 54319 sheet 3 of 3 size A4
type CUSTOMER Drawing