

REV	DESCRIPTION	BY	DATE APPROVED
XA	RELEASE FOR PROTOTYPE	RLK	01/30/02
XB	ADD 1900 FCC ID: MTF052651	RLK	03/11/02



-01 (GSM-900/1800)




-02 (GSM-1900)


**NOTE:**

- MATERIAL: 2" x 1" ADHESIVE-BACKED WHITE POLYESTER:  
ZEBRA #65598 (Z-ULTIMATE 3000 WHITE LABEL)  
ZEBRA #5095BK (06045 2.36" X 450 METER BLACK RESIN RIBBON)
- TEXT FONTS, SIZE AND LOCATION SHALL BE APPROVED BY THE MARKETING DEPARTMENT PRIOR TO VOLUME PRODUCTION. ALL TEXT TO BE BLACK.
- BARCODES TO BE CODE 128.
- AAAAAAAAAAAAAAAA TO BE REPLACED WITH IMEI OF RADIO.
- YYWWLTXXX TO COMPLY WITH TELULAR SPEC. 90006502.
- DDDDDDDDDDDDDDDD TO BE REPLACED WITH ONE OF THE FOLLOWING DESCRIPTIONS: a) GSM 900/1800 FWT  
b) GSM 900/1800 DP  
c) GSM 1900 FWT  
d) GSM 1900 DP

P/N 96027102 - GSM-1900  
P/N 96027101 - GSM-900/1800

 <b>TELULAR</b>		
APPROVED BY: <b>P. WOJCIK</b>	DES. ENG. N. Joslyn MFG. D. Krasowski MECH. DESIG. D. Tobias	DRAWN BY: <b>D. TOBIAS</b>
TITLE: <b>LABEL, IMEI, GSM SX5</b>		DRAWING NUMBER: <b>96027100</b>
DATE: <b>01/15/02</b>		SHT. <b>1</b> OF <b>1</b>

REV	DESCRIPTION	BY	DATE APPROVED
-	RELEASED TO RECORDS; CD488	RLK	4/30/01



647 North Lakeview Parkway  
Vernon Hills, Illinois 60061  
U.S.A.

**SEE MANUAL FOR OPERATION & MAINTENANCE INSTRUCTIONS**  
**FAVOR REFERIRSE AL MANUAL DE OPERACION Y MANTENIMIENTO**  
**FOR TECHNICAL SUPPORT CALL +1-847-247-9400**  
**PARA ASISTENCIA TECNICA +1-954-217-0522**

↑↑ = REDIAL      ⚡ = FLASH  
 REMARCA      ESPERA

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

Covered by one or more of the following U.S. patents and their foreign equivalents: 4,658,096; 4,737,975; 4,775,997; 4,868,519; 4,922,517; 5,469,494; 5,134,651; 5,361,297; 5,715,296; 5,046,085 and patents pending.

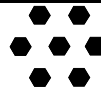
**MADE IN MMMMMM** PN: 96026501

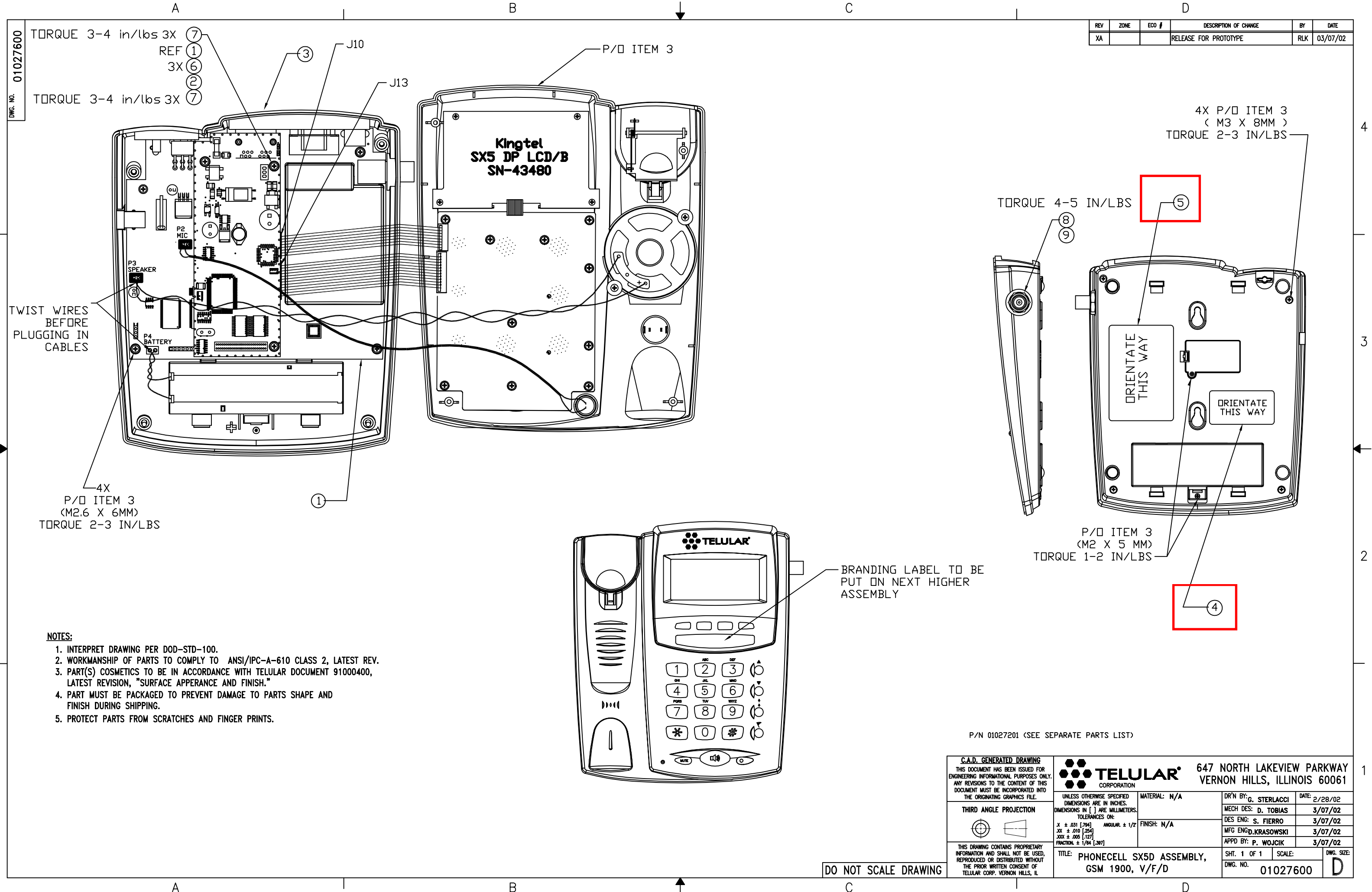
-01

**NOTE:**

1. MATERIAL: 2" x 3" ADHESIVE-BACKED WHITE POLYESTER OR APPROVED EQUIVALENT PER THE DURABILITY TEST OF 1.7.15 OF BS EN 60950: 1992 (BS 7002: 1992).
2. TEXT FONTS, SIZE AND LOCATION SHALL BE APPROVED BY THE MARKETING DEPARTMENT PRIOR TO VOLUME PRODUCTION.
3. COLOR: ALL TEXT AND SYMBOLS TO BE BLACK.
4. MMMMMM TO BE REPLACED WITH COUNTRY WHERE UNIT IS MANUFACTURED.

P/N 96026501

		<b>TELULAR</b>
APPROVED BY:	DES. ENG. G. KNIGHT MFG. D. KRASOWSKI MECH. DESIG. D. TOBIAS	DRAWN BY: <b>D. TOBIAS</b>
TITLE: <b>LABEL, LOGO/PATENTS/FCC, ENGLISH/SPANISH</b>		DRAWING NUMBER: <b>96026500</b>
DATE: <b>04/23/01</b>		SHT. 1 OF 1



REV	ZONE	ECO #	DESCRIPTION OF CHANGE	BY	DATE
XA			RELEASE FOR PROTOTYPE	RLK	03/07/02

DWG. NO. 01027600

TORQUE 3-4 in/lbs 3X (7)  
 REF (1)  
 3X (6)  
 (2)  
 TORQUE 3-4 in/lbs 3X (7)

4X P/O ITEM 3  
 ( M3 X 8MM )  
 TORQUE 2-3 IN/LBS

TORQUE 4-5 IN/LBS

4X  
 P/O ITEM 3  
 (M2.6 X 6MM)  
 TORQUE 2-3 IN/LBS

P/O ITEM 3  
 (M2 X 5 MM)  
 TORQUE 1-2 IN/LBS

BRANDING LABEL TO BE  
 PUT ON NEXT HIGHER  
 ASSEMBLY

- NOTES:**
1. INTERPRET DRAWING PER DOD-STD-100.
  2. WORKMANSHIP OF PARTS TO COMPLY TO ANSI/IPC-A-610 CLASS 2, LATEST REV.
  3. PART(S) COSMETICS TO BE IN ACCORDANCE WITH TELULAR DOCUMENT 91000400, LATEST REVISION, "SURFACE APPEARANCE AND FINISH."
  4. PART MUST BE PACKAGED TO PREVENT DAMAGE TO PARTS SHAPE AND FINISH DURING SHIPPING.
  5. PROTECT PARTS FROM SCRATCHES AND FINGER PRINTS.

P/N 01027201 (SEE SEPARATE PARTS LIST)

<b>C.A.D. GENERATED DRAWING</b> THIS DOCUMENT HAS BEEN ISSUED FOR ENGINEERING INFORMATIONAL PURPOSES ONLY. ANY REVISIONS TO THE CONTENT OF THIS DOCUMENT MUST BE INCORPORATED INTO THE ORIGINATING GRAPHICS FILE.		<b>TELULAR CORPORATION</b> 647 NORTH LAKEVIEW PARKWAY VERNON HILLS, ILLINOIS 60061	
THIRD ANGLE PROJECTION 	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. DIMENSIONS IN [ ] ARE MILLIMETERS. TOLERANCES ON: X ± .031 [.794] .XK ± .010 [.254] .XKK ± .005 [.127] FRACTIONAL ± 1/64 [.397]	MATERIAL: N/A FINISH: N/A	DR'N BY: G. STERLACCI MECH DES: D. TOBIAS DES ENG: S. FIERRO MFG ENG: D. KRASOWSKI APPD BY: P. WOJCIK
THIS DRAWING CONTAINS PROPRIETARY INFORMATION AND SHALL NOT BE USED, REPRODUCED OR DISTRIBUTED WITHOUT THE PRIOR WRITTEN CONSENT OF TELULAR CORP. VERNON HILLS, IL		TITLE: PHONECELL SX5D ASSEMBLY, GSM 1900, V/F/D	DATE: 2/28/02 3/07/02 3/07/02 3/07/02 3/07/02 SHT. 1 OF 1 SCALE: DWG. NO. 01027600

DO NOT SCALE DRAWING

DWG. SIZE: D

## ASSEMBLY PARTS LIST

ASSEMBLY : PHONECELL SX5D ASSEMBLY, GSM-1900, V/F/D				ORIGINATOR : RAY KANCIUS			PAGE            OF 1                    1	
DRAWING NO : 01027600				APPROVED : DAVID TOBIAS			DATE :  01/23/02	
FIND NO:	QTY REQ			P/N	DESCRIPTION		REFERENCE DESIGNATOR	
			01					
1			1	15T28901	TESTED CCA,DP,SX5D GSM-1900 MOTHERBOARD			
2			1	15028301	CCA, SX5 GSM, DAUGHTERBOARD CO/FAX			
3			1	75006201	KIT, GSM, SX5D DESKPHONE			
4			1	96027302	LABEL,PHONECELL SX5 GSM-1900 ASSY			
5			1	96026501	LABEL, LOGO/PATENTS, FCC, ENGLISH/SPANISH			
6			3	44005002	STANDOFF, 3/16 RND, 4-40 X 3/8 FEM AL			
7			6	25003839	SCREW, MACH, INTWS 4-40 X 3/16 PNH XREC			
8			1	25020801	WASHER,INTL 1/2ID, 5/8OD,.022THK			
9			1	25020901	NUT, HEX 1/2-28, FOR TNC BULKHEAD			
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REV	DESCRIPTION		DATE	APPD				
XA	RELEASE FOR PROTOTYPE		03/07/02	RLK				

REV	DESCRIPTION	BY	DATE APPROVED
XA	RELEASE FOR PROTOTYPE;SX161	RLK	1/22/01
-	RELEASED TO RECORDS	RLK	8/01/01



647 North Lakeview Parkway  
Vernon Hills, Illinois 60061  
U.S.A.

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FOR TECHNICAL SUPPORT CALL +1-847-247-9400

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PN: 96026201

-01



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PN: 96026202

-02

**NOTE:**

1. MATERIAL: 2" x 3" ADHESIVE-BACKED WHITE POLYESTER OR APPROVED EQUIVALENT PER THE DURABILITY TEST OF 1.7.15 OF BS EN 60950: 1992 (BS 7002: 1992).
2. TEXT FONTS, SIZE AND LOCATION SHALL BE APPROVED BY THE MARKETING DEPARTMENT PRIOR TO VOLUME PRODUCTION.
3. COLOR: ALL TEXT AND SYMBOLS TO BE BLACK.

P/N 96026202 WITHOUT FCC RULES  
P/N 96026201 WITH FCC RULES

 <span style="font-size: 24pt; font-weight: bold;">TELULAR</span>			
APPROVED BY:	DES. ENG. G. KNIGHT	DRAWN BY:	
PRW	MFG. D. KRASOWSKI	D. TOBIAS	
	MECH. DESIG. D. TOBIAS		
TITLE:	LABEL, LOGO/PATENTS		DRAWING NUMBER:
			96026200
DATE:	1/22/01		SHT. 1 OF 1

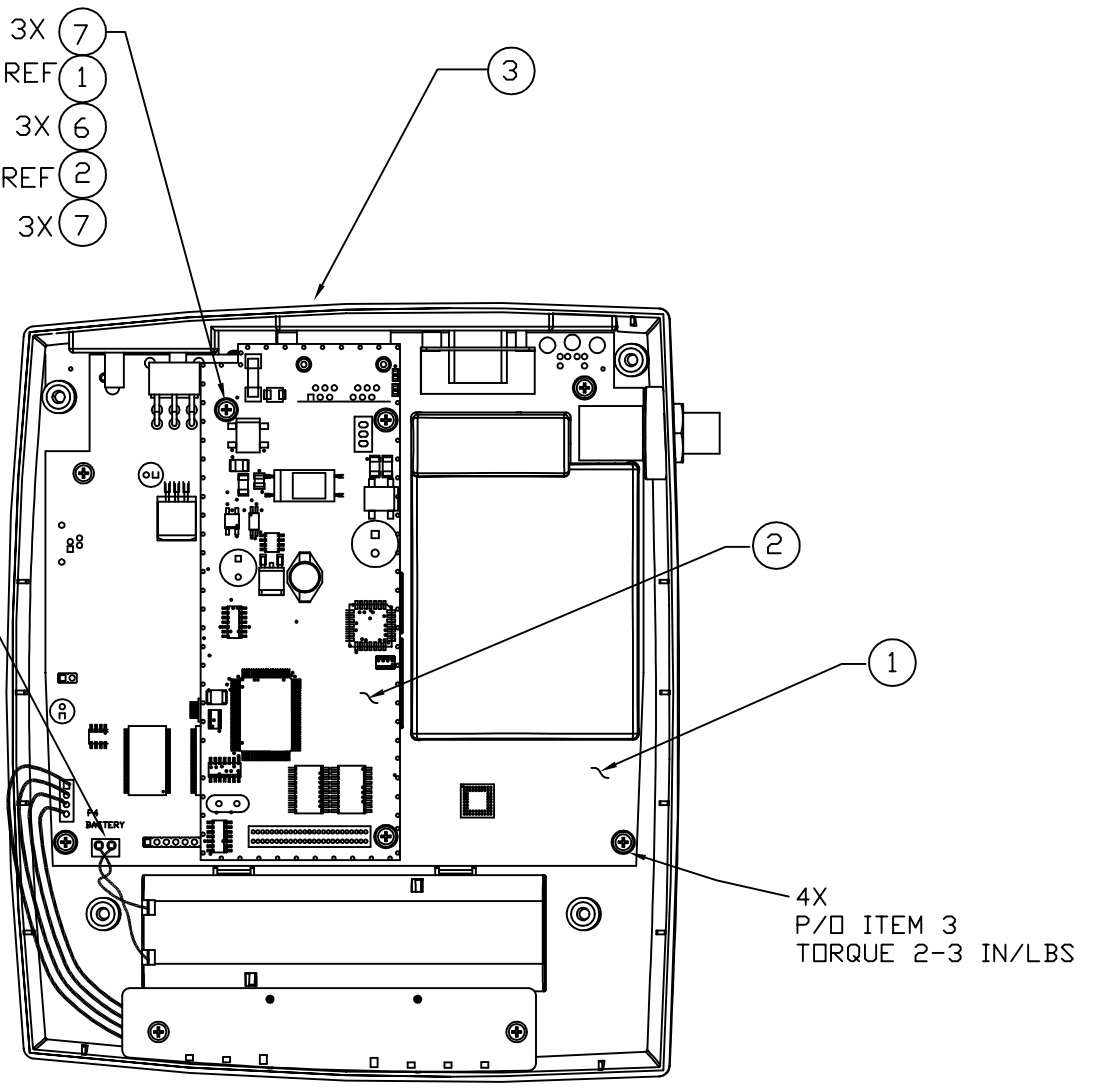
A B C D

REV	ZONE	ECO #	DESCRIPTION OF CHANGE	BY	DATE
XA			RELEASE FOR PROTOTYPE	RLK	03/07/02

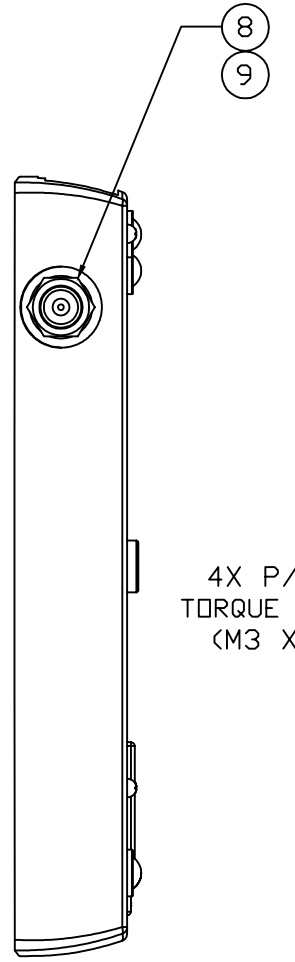
Dwg. No. 01027400

TORQUE 3-4 in/lbs 3X (7)  
 REF (1)  
 3X (6)  
 REF (2)  
 TORQUE 3-4 in/lbs 3X (7)

TWIST WIRE BEFORE PLUGGING IN CABLE

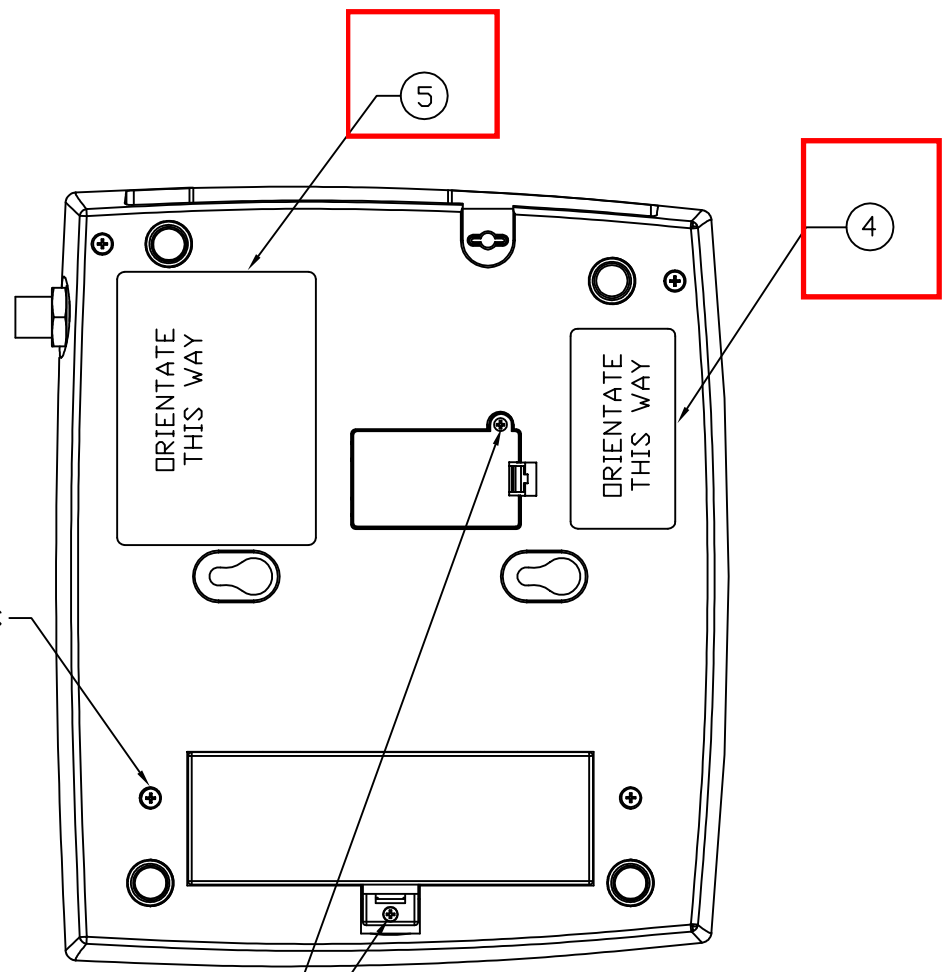


TORQUE 4-5 IN/LBS

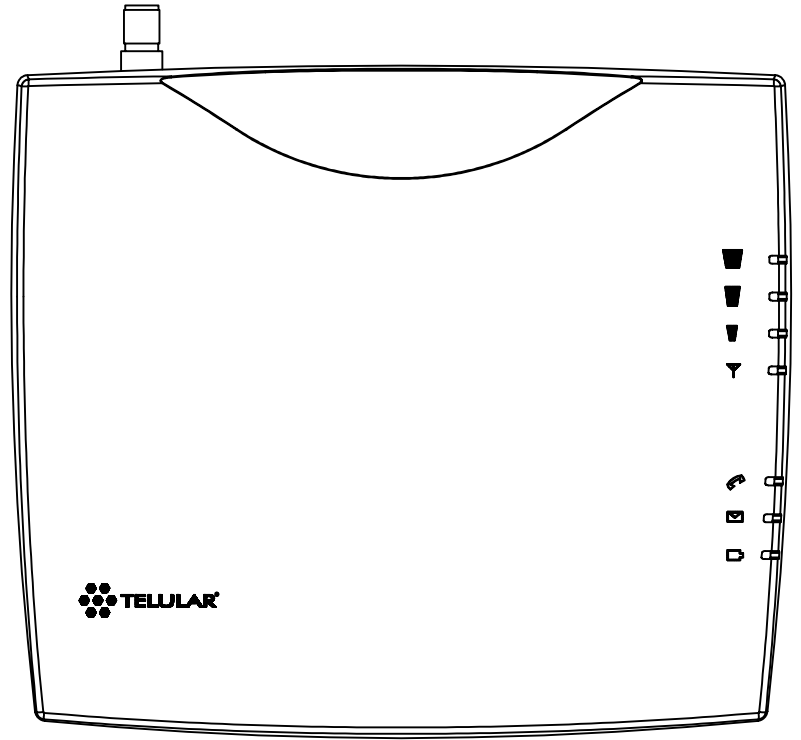


4X P/O ITEM 3  
 TORQUE 2-3 IN/LBS  
 (M3 X 8 MM)

(M2 X 5 MM)  
 TORQUE 1-2 IN/LBS  
 P/O ITEM 3



- NOTES:**
1. INTERPRET DRAWING PER DOD-STD-100.
  2. WORKMANSHIP OF PARTS TO COMPLY TO ANSI/IPC-A-610 CLASS 2, LATEST REV.
  3. PART(S) COSMETICS TO BE IN ACCORDANCE WITH TELULAR DOCUMENT 91000400, LATEST REVISION, "SURFACE APPEARANCE AND FINISH."
  4. PART MUST BE PACKAGED TO PREVENT DAMAGE TO PARTS SHAPE AND FINISH DURING SHIPPING.
  5. PROTECT PARTS FROM SCRATCHES AND FINGER PRINTS.



DO NOT SCALE DRAWING

P/N 01027401 (SEE SEPARATE PARTS LIST)

<b>C.A.D. GENERATED DRAWING</b> THIS DOCUMENT HAS BEEN ISSUED FOR ENGINEERING INFORMATIONAL PURPOSES ONLY. ANY REVISIONS TO THE CONTENT OF THIS DOCUMENT MUST BE INCORPORATED INTO THE ORIGINATING GRAPHICS FILE.	<b>TELULAR CORPORATION</b>	647 NORTH LAKEVIEW PARKWAY VERNON HILLS, ILLINOIS 60061		
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. DIMENSIONS IN [ ] ARE MILLIMETERS. TOLERANCES ON: .X ± .031 [.794] .XX ± .010 [.254] .XXX ± .005 [.127] FRACTION ± 1/64 [.397]	MATERIAL: N/A FINISH: N/A	DR'N BY: G. STERLACCI MECH DES: D. TOBIAS DES ENG: S. FIERRO MFG ENG: D. KRASOWSKI APPD BY: P. WOJCIK
THIRD ANGLE PROJECTION 	THIS DRAWING CONTAINS PROPRIETARY INFORMATION AND SHALL NOT BE USED, REPRODUCED OR DISTRIBUTED WITHOUT THE PRIOR WRITTEN CONSENT OF TELULAR CORP. VERNON HILLS, IL	TITLE: PHONECELL SX5e ASSEMBLY, GSM 1900, V/F/D	SHT. 1 OF 1 SCALE: NONE DWG. NO. 01027400	DWG. SIZE: D

A B C D

## ASSEMBLY PARTS LIST

<b>ASSEMBLY :</b> PHONECELL SX5e ASSEMBLY, GSM-1900, V/F/D				<b>ORIGINATOR :</b> RAY KANCIUS				PAGE            OF 1                    1	
<b>DRAWING NO. :</b> 01027400				<b>APPROVED :</b> DAVID TOBIAS				<b>DATE :</b> 01/23/02	
<b>FIND NO:</b>	<b>QTY REQ</b>			<b>P/N</b>	<b>DESCRIPTION</b>		<b>REFERENCE DESIGNATOR</b>		
			01						
1			1	15T28701	TESTED CCA, FWT, SX5e GSM-1900 MTHBD				
2			1	15028301	CCA, SX5 GSM, DTRBRD CO/FAX				
3			1	75006101	KIT. FWT. GSM. SX5e				
4			1	96027302	LABEL,PHONECELL SX5 GSM-1900 ASSY				
5			1	96026201	LABEL, LOGO/PATENTS/FCC PT15, B&W				
6			3	44005002	STANDOFF, 3/16 RND, 4-40 X 3/8 FEM AL				
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<b>REV</b>	<b>DESCRIPTION</b>		<b>DATE</b>	<b>APPD</b>					
XA	RELEASE FOR PROTOTYPE		03/07/02	RLK					