

REV	DESCRIPTION	DATE
A	INITIAL RELEASE	28-12-2022

REF	REF	22	6430240-1	DC CONVERTER, TC240	TRUE BLUE	
REF	REF	21	AJA-HD5DA	VIDEO SPLITTER	AJA	
--	AR	20	46X7503020.NN00	EMI SHIELD TAPE	LAIRD TECHNOLOGIES	
--	1	19	0734151960	DUST CAP, BNC MALE	AMPHENOL	
2	2	18	132170	ADAPTOR, BULKHEAD, SMA FEMALE-FEMALE	AMPHENOL	
4	4	17	190714	CONNECTOR, SMA MALE	PIC WIRE AND CABLE	
4	2	16	190708	CONNECTOR, TNC MALE	PIC WIRE AND CABLE	
6	3	15	190712	CONNECTOR, BNC MALE	PIC WIRE AND CABLE	
AR	AR	14	V73263	COAXIAL CABLE, 75 OHM	PIC WIRE AND CABLE	
4	2	13	D-436-82	SPLICE, NICKEL PLATE, RED	MIL SPEC	
1	1	12	M81714/60-22-02	TERMINAL JUNCTION MODULE	MIL SPEC	
AR	AR	11	M23053/5-105-0	HEATSHRINK, BLACK	MIL SPEC	
10	2	1	10	DWP-U-R1	UNIVERSAL POWER SUPPLY	AJA VIDEO SYSTEMS
1	1	9	7274-11-1	CIRCUIT BREAKER, 1A	KLIXON	
2	1	8	B-044-22-N	COAX TERMINATOR	RAYCHEM	
2	1	7	LF10WBJ-12S	CONNECTOR	HIROSE	
2	2	6	M81714/60-12-01	TERMINAL JUNCTION MODULE	MIL SPEC	
1	1	5	MS25036-112	RING TERMINAL, YELLOW, #10 STUD	MIL SPEC	
1	1	4	7274-11-15	CIRCUIT BREAKER, 15A	KLIXON	
11	1	1	3	9018623-3 ALT:M85049/52S16W	STRAIN RELIEF	TRUE BLUE
11	1	1	2	9018624-2 ALT:MS3456W16-10S	CONNECTOR	TRUE BLUE
1	1	1	1	9018654	CONNECTOR KIT	TRUE BLUE
				-013	DUAL CAMERA PROVISIONAL WIRING	
				-011	SINGLE CAMERA (UPPER)	
-013 QTY	-011 QTY	ITEM	PART NUMBER	DESCRIPTION	REMARKS	

NOTES:
 _____ NEW WIRE / UNIT
 - - - - - EXISTING WIRE / UNIT

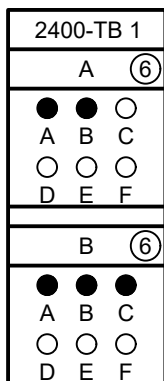
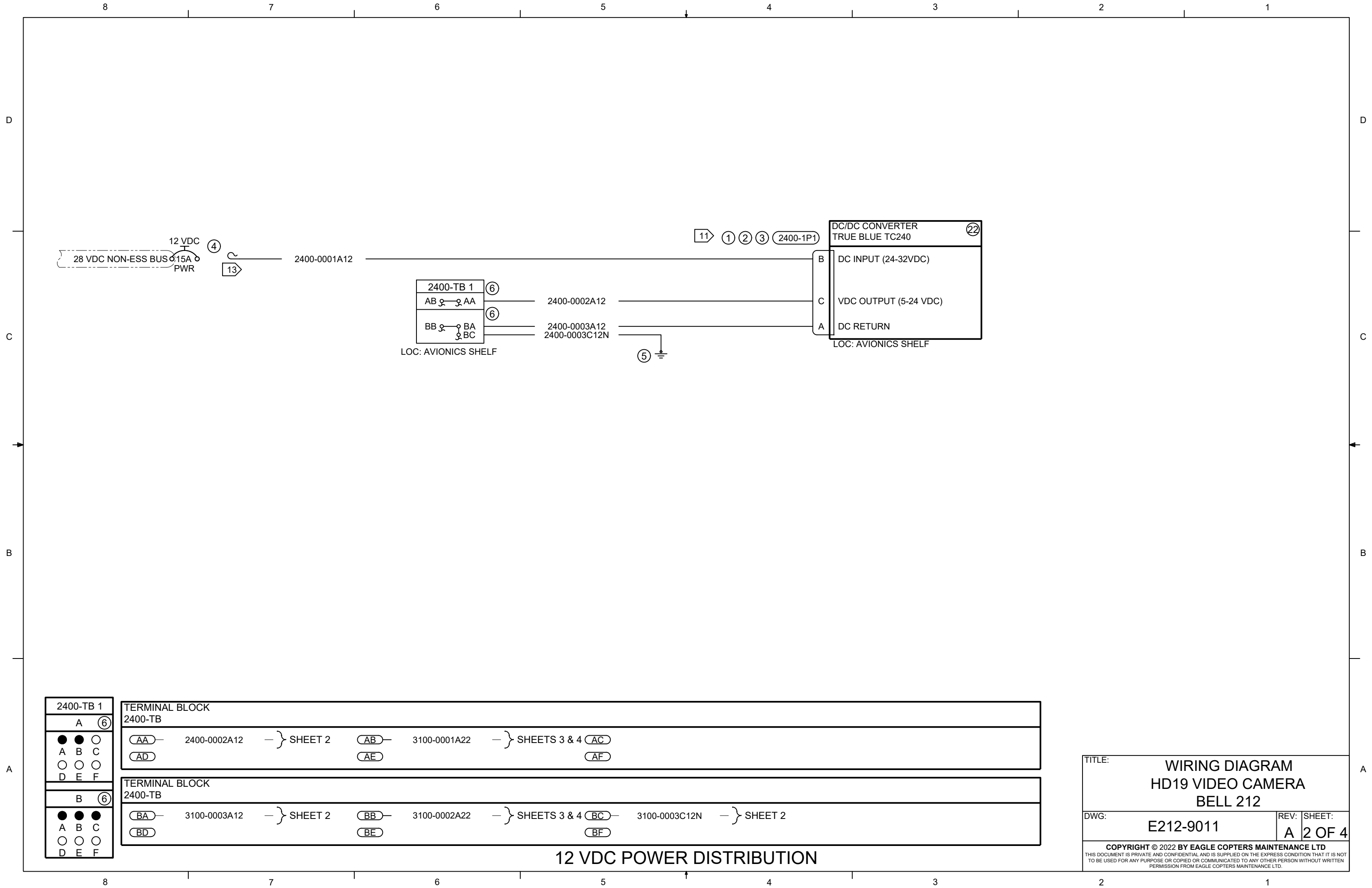
- PERFORM ALL WORK IN ACCORDANCE WITH BELL HELICOPTER STANDARD PRACTICES MANUAL BHT-ELEC-SPM.
- ALL NEW UNSHIELDED WIRE USE M22759/41-(XX)-9 OR EQUIVALENT TYPE WIRE. (M22759/41-(XX)-9 IS NOT INTENDED TO BE USED IN SOLDER APPLICATIONS, SOLDERABILITY CAN BE ACHIEVED WITH THE PROPER SOLDER. USE CRIMP SPLICES FOR REPAIR). ALL WIRES 22 AWG UNLESS OTHERWISE SPECIFIED BY WIRE CODE. ALL JUMPERS TO BE LESS THAN 6 INCHES.
- ALL NEW SHIELDED WIRE USE M27500-(XX)SM(X)N23 OR EQUIVALENT TYPE WIRE. (M27500-(XX)SM(X)N23 IS NOT INTENDED TO BE USED IN SOLDER APPLICATIONS, SOLDERABILITY CAN BE ACHIEVED WITH THE PROPER SOLDER. USE CRIMP SPLICES FOR REPAIR). SOLDER SLEEVES SHALL USE SN96 SOLDER, USE P/N S200-X-00 OR EQUIVALENT.
- ALL AIRFRAME GROUNDS SHALL BE VIA AMP LUG OR GROUNDING BLOCK AND PROVIDE SEPARATE GROUND STUD LOCATIONS FOR DC POWER GROUNDS, AC POWER GROUNDS, CHASSIS GROUNDS, SIGNAL GROUNDS AND SHIELD GROUNDS.
- ALL EQUIPMENT BONDING TO ADJACENT AIRFRAME STRUCTURE TO BE 0.003 OHM OR LESS. ALL ELECTRICAL GROUNDING AND BONDING TO BE INSTALLED IN ACCORDANCE WITH THE LATEST REVISION OF BHT-ELEC-SPM CHAPTER 8.
- ALL TERMINALS TO BE INSTALLED IN ACCORDANCE WITH THE LATEST REVISION OF BHT-ELEC-SPM PARAGRAPH 4-9.
- ALL CONNECTORS TO BE INSTALLED IN ACCORDANCE WITH THE LATEST REVISION OF BHT-ELEC-SPM CHAPTER 5. ENSURE ALL UNUSED CONNECTOR CONTACTS ARE FILLED WITH SPARE PINS/SOCKETS OR PLASTIC GROMMET SEALING PLUGS. ENSURE ALL BULKHEAD MOUNTED CONNECTORS ARE PROPERLY BONDED TO AIRFRAME.
- ENSURE ALL SWITCHES, CIRCUIT BREAKERS, AND REMOTE MOUNTED BOXES ARE LABELED WITH A CONSISTENT SIZE, FONT, COLOR, BACKGROUND AND ARE ILLUMINATED CONSISTENT AS EXISTING LABELS.
- ROUTE ALL WIRES AND CABLES WITH EXISTING WIRE ROUTES WHERE POSSIBLE AND CLAMP IN ACCORDANCE WITH THE LATEST REVISION OF BHT-ELEC-SPM CHAPTER 6. WIRES MUST BE ROUTED WITH A MINIMUM OF 6 INCHES OF SEPARATION FROM OXYGEN AND FLUID LINES (MIN 2 INCHES IF WIRES IN CONDUIT).
- CONNECTOR SUPPLIED WITH UNIVERSAL POWER SUPPLY. CUT WIRING 6.0 INCHES MAX FROM AND SPLICE TO AIRCRAFT WIRING. COVER EXISTING POWER SUPPLY WIRING WITH M23053/5-XX-0 HEATSHRINK.
- CONNECTOR AND STRAIN RELIEF SUPPLIED AS PART OF CONNECTOR KIT, P/N 9018654. REFERENCE ALTERNATE PART NUMBERS IF REQUIRED.
- CONNECTOR TO BE BONDED TO CAMERA BODY USING EMI SHIELD TAPE.
- CAP AND STOW IN ACCORDANCE WITH BELL HELICOPTER STANDARD PRACTICES MANUAL BHT-ELEC-SPM.

PREPARED	gW
REVIEWED	NF
RELEASED	JP
SCALE:	NTS



TITLE: WIRING DIAGRAM HD19 VIDEO CAMERA BELL 212		DWG: E212-9011
REV: A	SHEET: 1 OF 4	

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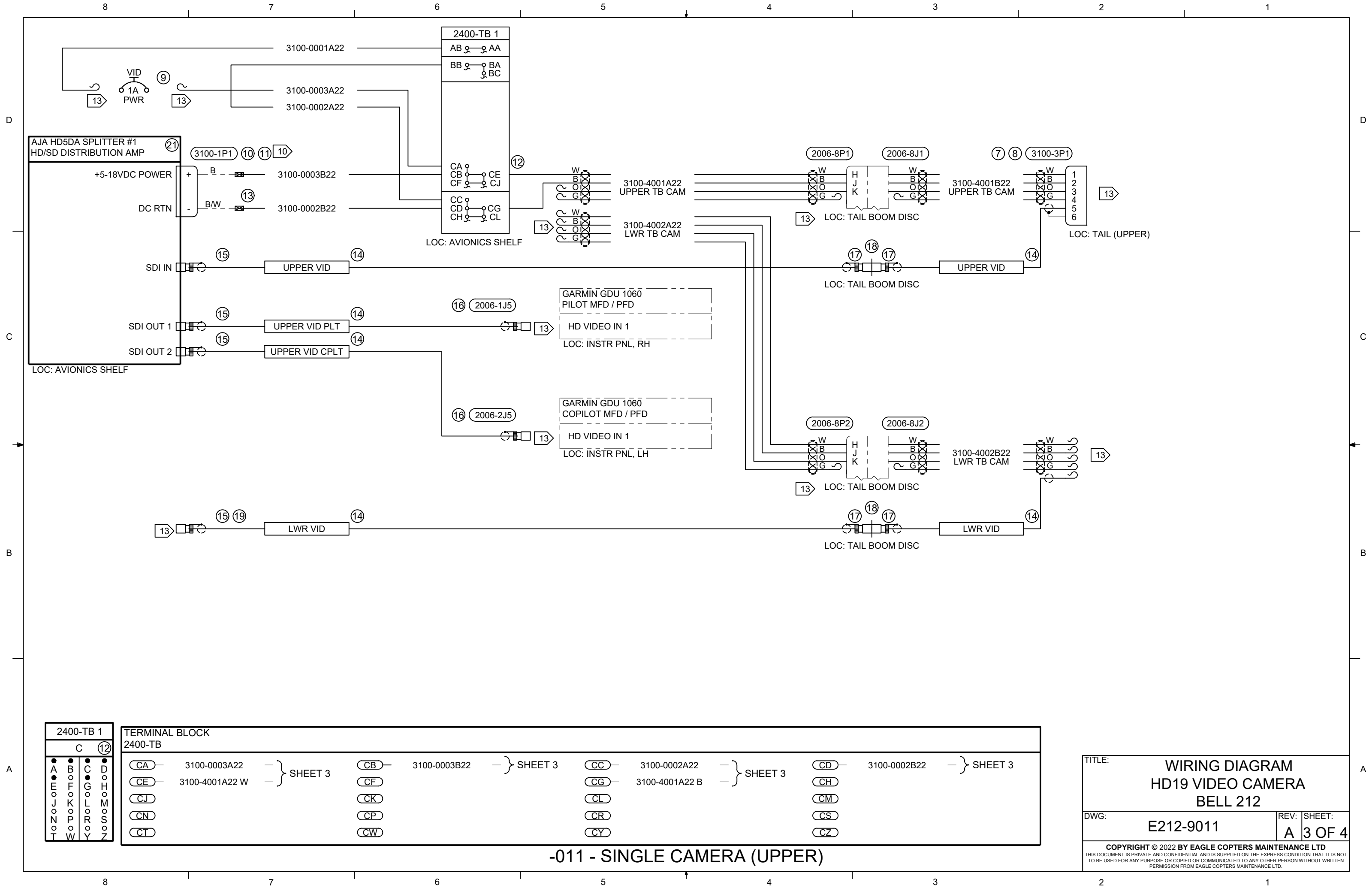


TERMINAL BLOCK 2400-TB		
AA	2400-0002A12	SHEET 2
AB	3100-0001A22	SHEETS 3 & 4
AC		
AD		
AE		
AF		

TERMINAL BLOCK 2400-TB		
BA	3100-0003A12	SHEET 2
BB	3100-0002A22	SHEETS 3 & 4
BC	3100-0003C12N	SHEET 2
BD		
BE		
BF		

12 VDC POWER DISTRIBUTION

TITLE: WIRING DIAGRAM HD19 VIDEO CAMERA BELL 212		
DWG: E212-9011	REV: A	SHEET: 2 OF 4
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AJA HD5DA SPLITTER #1
HD/SD DISTRIBUTION AMP

+5-18VDC POWER
 DC RTN
 SDI IN
 SDI OUT 1
 SDI OUT 2

2400-TB 1

AB ♂ AA
 BB ♂ BA
 BC ♂ BC

CA ♂ CE
 CB ♂ CF
 CD ♂ CG
 CH ♂ CL

LOC: AVIONICS SHELF

GARMIN GDU 1060
PILOT MFD / PFD

HD VIDEO IN 1
 LOC: INSTR PNL, RH

GARMIN GDU 1060
COPILOT MFD / PFD

HD VIDEO IN 1
 LOC: INSTR PNL, LH

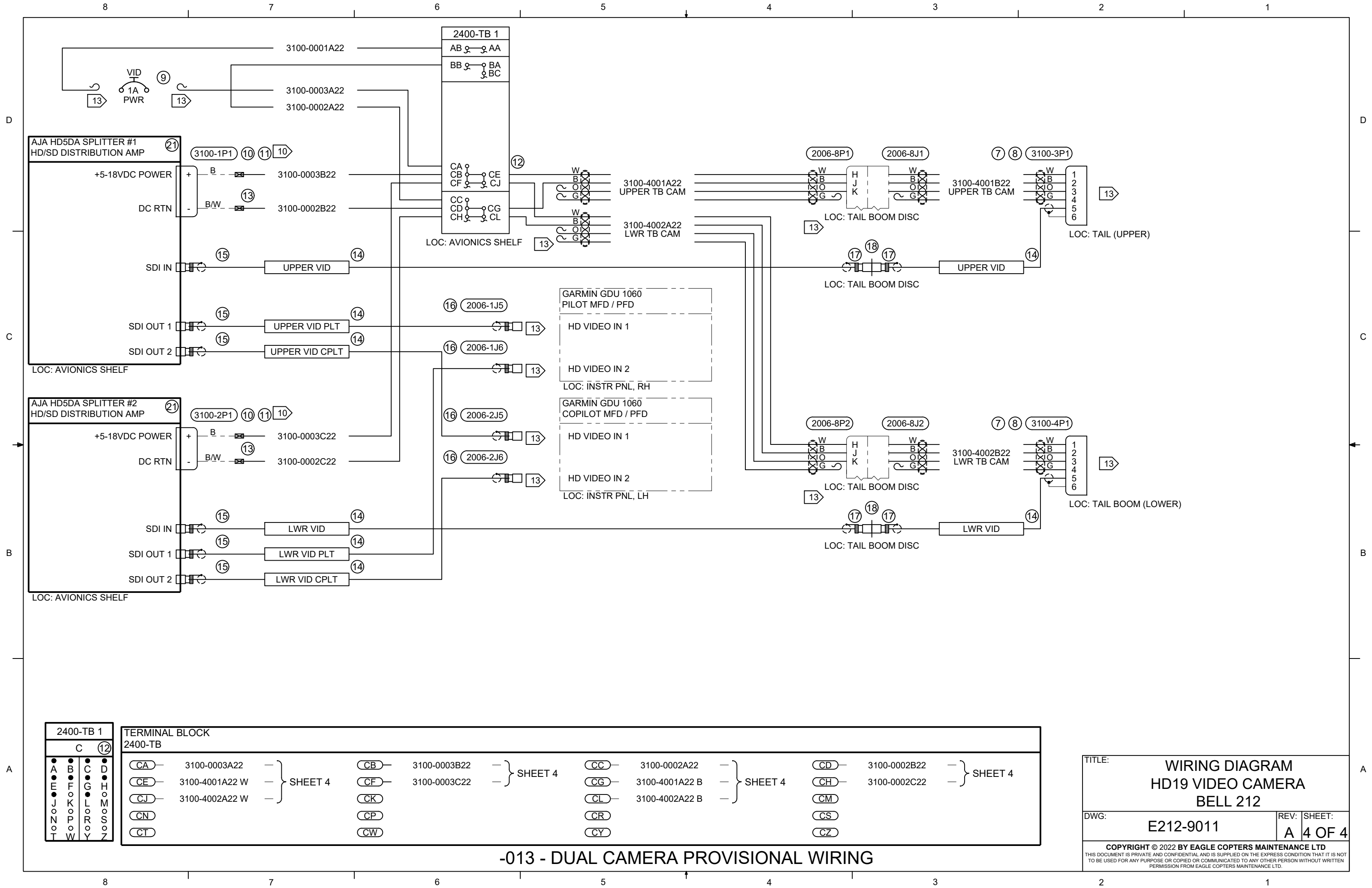
2400-TB 1		TERMINAL BLOCK			
C (12)		2400-TB			
CA	3100-0003A22	CB	3100-0003B22	CC	3100-0002A22
CE	3100-4001A22 W	CF		CG	3100-4001A22 B
CJ		CK		CL	
CN		CP		CR	
CT		CW		CY	

TITLE: **WIRING DIAGRAM**
HD19 VIDEO CAMERA
BELL 212

DWG: **E212-9011** REV: **A** SHEET: **3 OF 4**

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-011 - SINGLE CAMERA (UPPER)



2400-TB 1		TERMINAL BLOCK			
C (12)		2400-TB			
CA	3100-0003A22	CB	3100-0003B22	CC	3100-0002A22
CE	3100-4001A22 W	CF	3100-0003C22	CG	3100-4001A22 B
CJ	3100-4002A22 W	CK		CL	3100-4002A22 B
CN		CP		CM	
CT		CW		CZ	

TITLE: **WIRING DIAGRAM
HD19 VIDEO CAMERA
BELL 212**

DWG: **E212-9011** REV: **A** SHEET: **4 OF 4**

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